English

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English

BenQ

V37C/VL3735

LCD TV

Section 1: Quick Start Guide

Welcome

1. Please read these instructions

Congratulations on purchasing your BenQ LCD TV. You have a state-of-the-art flat widescreen digital LCD TV which should provide you with years of viewing pleasure. Please take a few minutes to read these quick start instructions through before installing and using the TV.

What's in the Quick Start Guide?

Section 1 contains the Quick Start Guide which provides you with enough information to setup the TV and start viewing TV station broadcasts as quickly as possible. This is section 1.

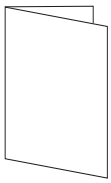
What's in the User's Manual?

Section 2 contains the User's Manual which details the features and functions of the TV and the remote control, describes how to connect to other devices, and provides product specifications and troubleshooting information for your further assistance.

The User's Manual also describes how to customise the TV settings so that you can gain the best viewing experience possible to suit your preferences and viewing environment.

2. Package contents

After you unpack the TV, check that all the following items are included:

<table>
<tr><td colspan="2"> </td><td>  </td><td> </td><td> </td></tr>
<tr><td colspan="2">LCD TV (x1)</td><td>Quick Start Guide and User's Manual (x1)</td><td>Remote control (x1)</td><td>AAA battery (x2)</td></tr>
<tr><td> </td><td> </td><td> </td><td> </td><td></td></tr>
<tr><td>Composite Video cable (x1)</td><td>Power cable (x2, one for Pan-European countries and the other for Switzerland)</td><td>Antenna cable (x1)</td><td>Cable holder (x2)</td><td></td></tr>
</table>

☞ **The type of power cable supplied may differ from that illustrated, dependant upon your region of purchase.**

If any item is missing or damaged, contact your place of purchase immediately and notify them of the discrepancy. Please keep the product documentation in a safe place for later reference.

☞ **Dispose of packaging wisely:**

- **The cardboard carton can be recycled.**
- **Do not leave plastic bags within reach of young children or babies.**
- **Consider storing the packaging (if possible) for future transport of the TV.**
- **Check that you haven't left an accessory inside the packaging, before discarding.**

☞ **For the primary safety of yourself and others, this LCD TV should be handled with care to avoid damage to it or to persons which come into contact with it.**

All LCD screens have a very thin protective layer of glass which is liable to marking or scratching, and cracking if struck or pressured. The liquid crystal substrate is also liable to damage under excessive force or extreme temperatures. Please handle with care.

3. Select and prepare the installation location

In order to prevent potential dangers and prolong the service life of the TV, please observe the following points when installing, operating and cleaning the TV.

Do NOT place the TV on an uneven, sloping or unstable surface where it may fall and cause damage to itself or others.

Do NOT place the TV near water, like a spa or pool, or in a position which will allow the splashing or spraying of water onto the TV, like in front of an open window where rain water may enter.

Do NOT place the TV near or above sources of heat, such as radiators, heaters, fuel stoves and other heat-generating items (including audio amplifiers).

Do NOT place the TV in direct sun or where direct sun or spot lighting will shine onto the TV, as the heat may damage the TV and the bright light will make viewing the TV more difficult than necessary.

If wall mounting, have a suitable qualified and experienced tradesperson mount it safely. Ensure that the mounting bracket (optional accessory) is securely screw fixed to the wall structure, and not just the wall render, lining or cladding. Do not glue the bracket to the wall. Use only a recommended TV wall bracket for this model TV. Ensure the bracket is level horizontally.

If recessed into a wall opening, you must leave at least 50–100mm free space both top and bottom for ventilation.

If wall mounting, allow at least 30mm space on top for attaching the TV to the wall bracket. It slides in and down onto the bracket from above.

Do NOT cover or block the vents and openings whilst the TV is switched on.

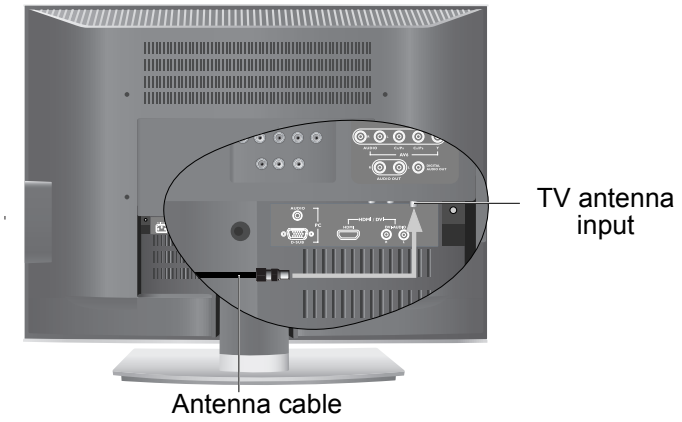
Do NOT place the TV in an enclosed place without allowing for ventilation.

Observe all warnings and cautions as labelled on the TV.

Once all considerations and precautions have been made, position the TV where most suitable.

4. Connect the antenna cable

Connect a TV antenna cable fly-lead from your TV antenna system or Cable TV (CATV) to the TV antenna input on the rear of the TV. Check to make sure that the cable connection is firmly in place.

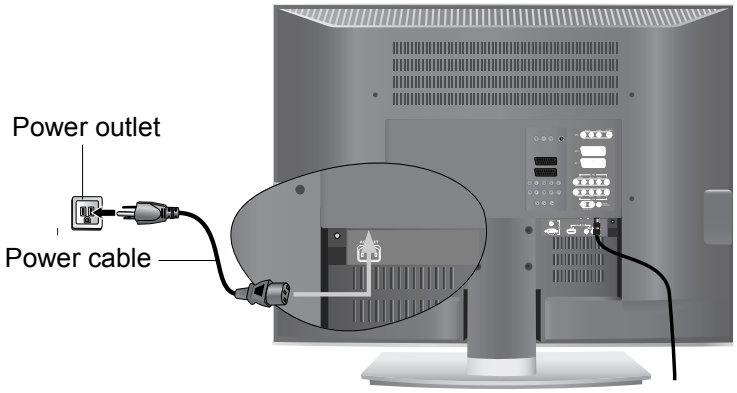


☞ • **A poor quality TV signal will produce a poor picture and/or sound on your TV. For high quality picture and sound, you will need a high quality TV signal. Depending upon your location, for best TV signal reception, you should have a properly aligned outdoor TV antenna system. If need be, consult a professional antenna specialist.**

• **This TV has a built-in analog TV tuner, which requires the TV antenna cable connection to an external TV antenna system. If you wish to make use of the digital LCD screen to view digital TV, you should connect an external digital TV tuner (decoder) set top box (STB) to the TV using a digital signal cable (HDMI or DVI) connection. See "Getting to know your TV" on page 10.**

5. Connect the power cable

1. Locate the power cable from the packaging, unwrap it, and plug the appropriate end into the AC INLET socket on the rear of the TV (as illustrated below).
2. Connect the other end into an appropriate wall power outlet, and switch it on (if switched). The TV will enter standby mode and the power indicator (on the front lower right) will light up red.



☞ • **The type of power cable plug and socket illustrated may differ from the type used in your region.**

• **Only use an appropriate power cable for your region. Never use a power cable which appears damaged or frayed. Never change the plug type on a power cable. Be aware of total loading when using extension cords or multiple outlet power boards.**

⚠ **WARNING:**

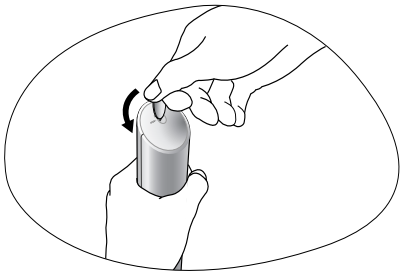
• **This BenQ LCD screen TV has been engineered and manufactured with the highest priority on safety, however, IMPROPER HANDLING OR USE CAN RESULT IN POTENTIAL ELECTRICAL SHOCK OR FIRE HAZARD. Please handle this TV with care. If damaged, turn off the power and unplug the power cable from the TV. Transport the TV to your nearest BenQ authorised service centre for repair.**

• **There are no user serviceable parts in this TV. Never unscrew or remove any covers. There are dangerous voltages inside. Turn off the power and unplug the power cable before moving the TV.**

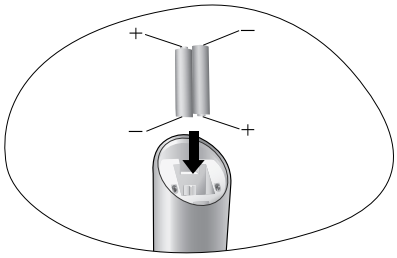
6. Activate the remote control

Locate the remote control and batteries from the packaging, and unwrap them.

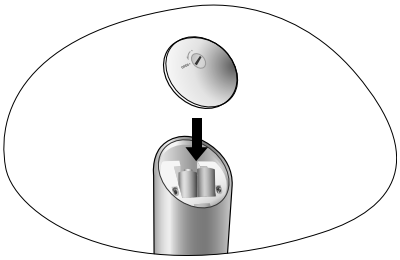
1. Turn the remote control end up to reveal its base, and open the lid of the battery compartment by using a small coin or similarly curved object to rotate the slot 90° anticlockwise. The lid is spring loaded and will popup and come loose from the remote control body.



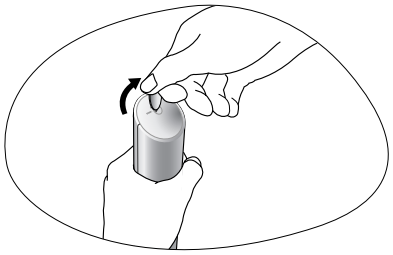
2. Insert the batteries (supplied) ensuring that the positive and negative marked battery terminals match the (+) and (-) marks in the battery compartment.
Note that these batteries are provided for your convenience so that you can operate the TV straight away. You should replace them as soon as possible.



3. Refit the lid of the battery compartment by inserting the hinge into the recess at one edge and levering the lid down into position with the thumb of the hand holding the remote control body.

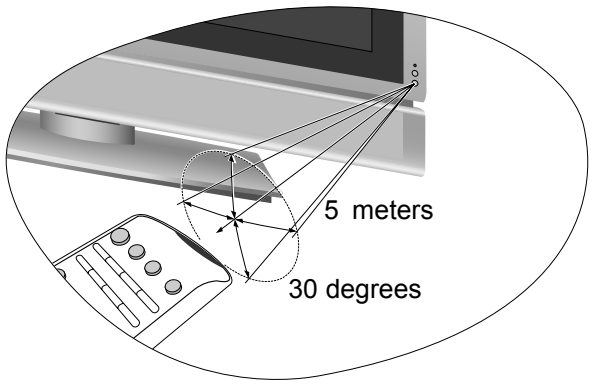


4. Whilst holding the lid in place in this manner, use your other hand and a small coin or similarly shaped object to rotate the locking slot 90° clockwise locking the lid in place.



Remote control usage tips

- Point and aim the top front of the remote control directly at the TV when pressing the buttons.
- The remote control must be held at an angle within 30 degrees of the TV's remote control sensor window to function correctly. The distance between the remote control and the sensors should not exceed 5 meters.
- Do not cover the sensor window on the front of the TV (below the power indicator lamp), or place objects in front of it which will block the direct line-of-sight between the remote control and the sensor window on TV.



☞ **• Do not let the remote control become wet, or place it in humid environments (like bathrooms.)**
• If the remote control sensor window on the TV is in direct sunlight or strong light, the remote control may not operate properly. In this situation, change the light source or readjust the angle of your TV, or operate the remote control from a location closer to the remote control sensor window on the TV.

Test the remote control

Press **Power/standby** on the remote control (as highlighted in the illustration). The TV should turn on, and the power indicator change to green. If so, progress to the next step (**7. Setting up OSD (On-Screen Display) menu language and TV channels**) below.

If the TV does not turn on, first check that the power is available (the power indicator will be lit red). If so, try pressing **(Power/standby)** on the right side of the TV. If the TV turns on by this method, the problem lies with the remote control.

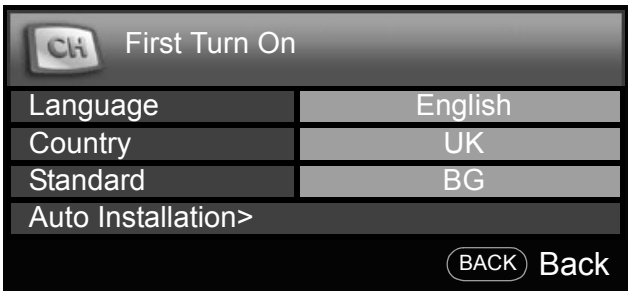
Secondly, check that the remote control batteries are properly installed. If need be, replace the batteries with new ones or known good ones.

See **"Troubleshooting" on page 44** for further assistance.

To turn off the TV, press **(Power/standby)** on the right side of the TV, or **Power/standby** on the remote control again, and the TV will return to standby mode (the power indicator will turn red.)

7. Setting up OSD (On-Screen Display) menu language and TV channels

When first turned on (and until tuned), the "**First Turn On**" menu will display:

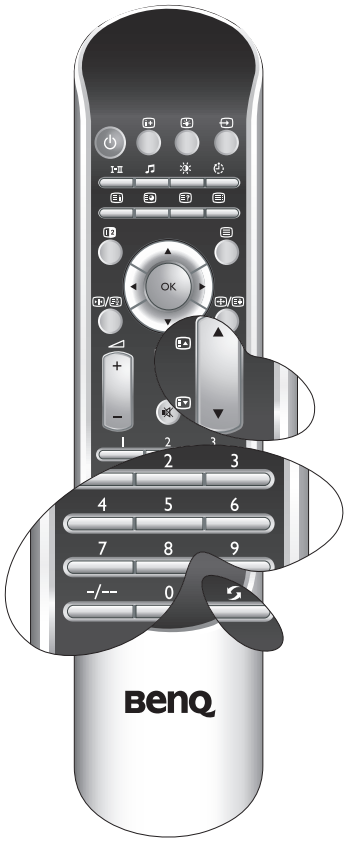


Before you can use your TV to view TV programs, you need to let it search for and tune TV station programs appropriate to your region. This process only needs to be done when the TV is newly installed, or whenever you install it in a new location. You also need to select your language for the on-screen display (OSD) menu for convenience of operation.

1. Press ▲ or ▼ on the remote control to select **Language**, and then press ◀ or ▶ to select your language.
2. When you select a **Language**, the **Country** and TV **Standard** items will change automatically to suit. If your country is not displayed in the **Country** item, you can press ▲ or ▼ to select it and then press ◀ or ▶ to select your country. If **Others** is selected as the **Country**, you will also need to select the TV broadcast standard suitable for your region.
3. Press ▲ or ▼ to select **Auto Installation** and then press **OK**. After a short pause, the display will start searching for available channels and tune and store them for you. This may take several minutes, depending on the available TV channels in your local reception area. Please allow the display to complete this tuning process.

☞ **You can alter the settings in the future using the OSD menu. See "On-Screen Display (OSD) menu" on page 28 for more information.**

8. View the TV programs



- Press **P (Program)** ▲ or **P (Program)** ▼ on the remote control (as highlighted in the illustration) or **(Program)** ◀ or **(Program)** ▶ on the TV to view the TV programs available in your area.
- You can also change to a program directly by selecting the station number using the numeric program selection button(s) on the remote control, For example, to select program 8, press 8. To select program 28, press the -/-- program entry button on the remote control, and then press 2, 8.
- The remote control features a program return button so that you can quickly return to the previous viewed program, by pressing the **Recall** button (also highlighted in the illustration).
- To alter the volume, press + or - on the remote control or **(Volume)** ◀ or **(Volume)** ▶ on the TV. The volume indicator will display on-screen.

Please refer to the User's Manual for further information about the TV and its operation.

This LCD TV is a high resolution display device. To achieve the best possible display results, it is recommended that you connect it to a digital video source and set the source output resolution to match the LCD TV resolution then select an appropriate aspect ratio. When viewing traditional (analog) TV source, it is recommended that you set the aspect ratio to "4:3" or "Wide". See the User's Manual for more information about aspect ratios and settings.

Care and cleaning information

- Always turn off the TV before cleaning.
- Do NOT use cream, liquid, aerosol or spray cleaners. Use only a slightly damp well wrung-out (drip-free) and lint-free, clean soft cloth and lightly wipe the TV.
- If necessary, use a pH-neutral liquid dish-washing detergent diluted with water on a separate clean lint-free cloth to remove oil or grease marks. Wipe over again with a clean dry lint-free cloth to remove any smear marks.
- Under close examination and in certain circumstances, you may notice that a few non-active pixels appear on the screen as a fixed point of colour. Please note that this does not affect the performance of your product as it is usually not visible at normal viewing distances.
- If the TV is not going to be used for an extended period of time (like when you're going away for holidays), it should be switched off and unplugged from the wall outlet. You should also consider removing the batteries from the remote control (as they may leak).
- To help prevent possible 'LCD Image Persistence', you should ensure that static images are never displayed for extended periods of time (days) and that you turn off the screen for several hours every day or so.

What's next?

You have reached the end of Section 1: Quick Start Guide. By now, you should have a reasonable understanding of your new LCD TV and its controls, know how to install, connect, turn on, tune, change the programs, and how to care for and maintain it.

Should you wish to maximise your viewing experience pleasure, Section 2 of this booklet contains the User's Manual which describes how to customise the TV settings to suit your preferences and viewing environment. It details the features and functions of the TV and the remote control, describes how to connect other devices, and provides product specifications and troubleshooting information for your further assistance.

<Memo>

English

BenQ

V37C/VL3735

LCD TV

Section 2: User's Manual

Welcome

Getting to know your TV

Introduction

This booklet is divided into two sections: the Quick Start Guide; and the User's Manual. For details of the Quick Start Guide, see "1. Please read these instructions" on page 2.

This is section 2, the User's Manual which describes how to customise the display settings so that you can gain the best viewing experience possible to suit your preferences and viewing environment. This section details the features and functions of the TV and the remote control, describes how to connect to other devices, and provides product specifications and troubleshooting information for your further assistance.

This LCD TV is a state-of-the-art flat widescreen digital display device. It has a built-in analog TV tuner which can be used to view standard definition analog television (TV or ATV), cable television (CATV), or radio frequency (RF) modulated video through its coaxial TV tuner input socket.

However, the high quality of a widescreen LCD TV isn't realized through analog TV. The highest possible quality display is only possible from high definition digital video sources like High Definition TV (HDTV), High Definition DVD (HDVD).

Input options

This TV supports the simultaneous connection of several different types of TV, Video and Graphic sources, and permits you to select whichever one of the available sources you wish to view at any time. You press **Input** on the remote control or **INPUT** on the TV to cycle through and select an input source.

There are multiple sockets on the rear of the TV for TV, Video, and Graphic inputs.

- **Analog TV** source input includes: 1 x Coaxial analog TV Antenna.
- **Video** source inputs include: 2 x Composite Video, 2 x S-Video, 2 x Component Video (Y C_B/P_B C_R/P_R) and 2 x SCART.
- **Graphic** source inputs include: 1 x HDMI/DVI and 1 x PC VGA.

You should connect whichever TV, Video or Graphic sources you wish to view on the TV. You need not connect more than one if that one is all you wish to view.

Analog TV source inputs

You can connect an external VHF or UHF TV antenna (if available) to the TV tuner input using an appropriate TV coaxial cable, and select the **ATV** input to view analog TV broadcasts. See "4. Connect the antenna cable" on page 4.

If you have cable TV, you can connect your cable TV decoder box to the TV tuner input using an appropriate TV coaxial cable, and select the **ATV** input to view cable TV.

Composite (AV) source inputs

You can connect an external analog video device (if available—VCR, VCD or DVD) to either of the Composite Video (AV), S-Video or SCART inputs, and select **AV3** or **AV4** (for AV inputs), **AV3-S** or **AV4-S** (for S-Video inputs) or **AV1**, **AV1 RGB** or **AV2** (for SCART inputs) as the input source respectively to view analog video. See "Connecting the SCART input" on page 23, "Connecting the Composite Video input" on page 24 and "Connecting the S-Video input" on page 24. If the video source device supports it, you could alternatively connect it using the Component input for the best possible resolution picture.

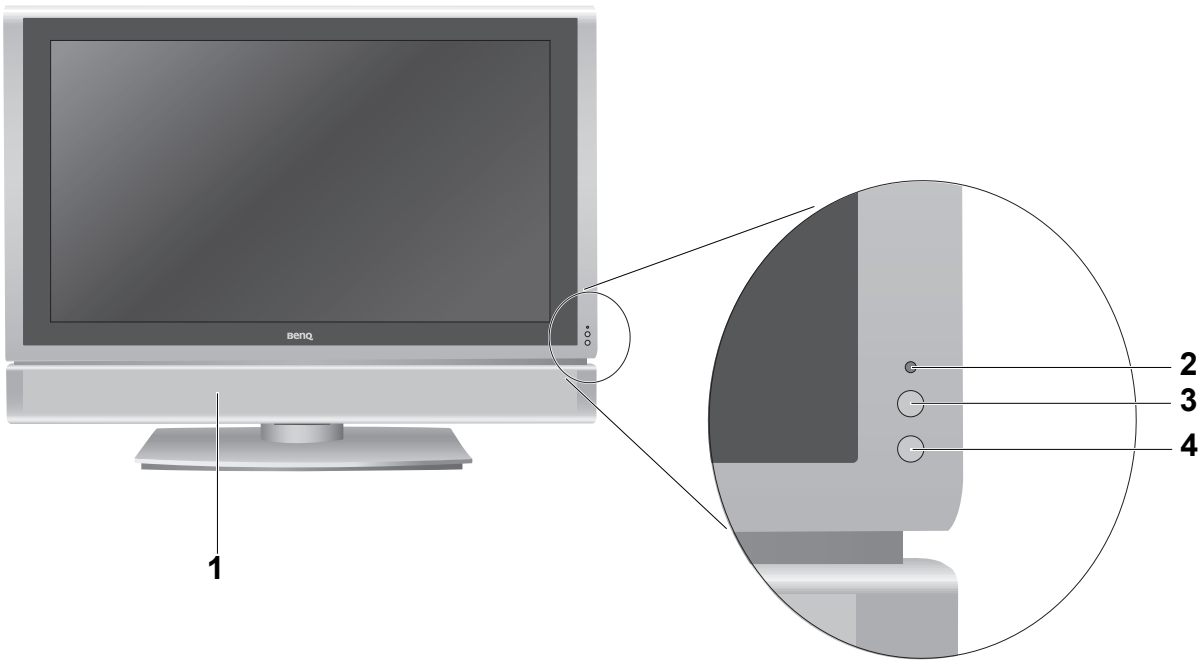
Component Video source inputs

You can connect Component Video inputs such as an external digital TV (DTV) tuner to either of the Component Video inputs, and select the **Component 1** or **Component 2** input respectively. See "Connecting the Component Video input" on page 25.

Other Graphic source inputs

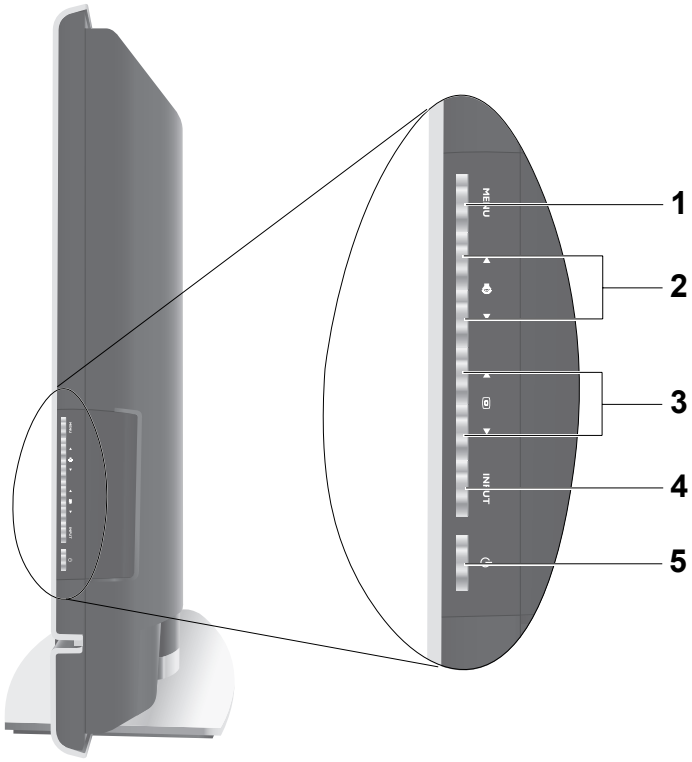
You can connect a PC video card graphic source (if available) like a VGA output or a digital DVI output. If your device supports HDMI output, you can also use the HDMI input on the TV for connection. Select the **'PC'** or **'HDMI'** input respectively to view the display. See "Connecting the PC input" on page 25, "Connecting the DVI input" on page 26 and "Connecting the HDMI input" on page 26.

Front view



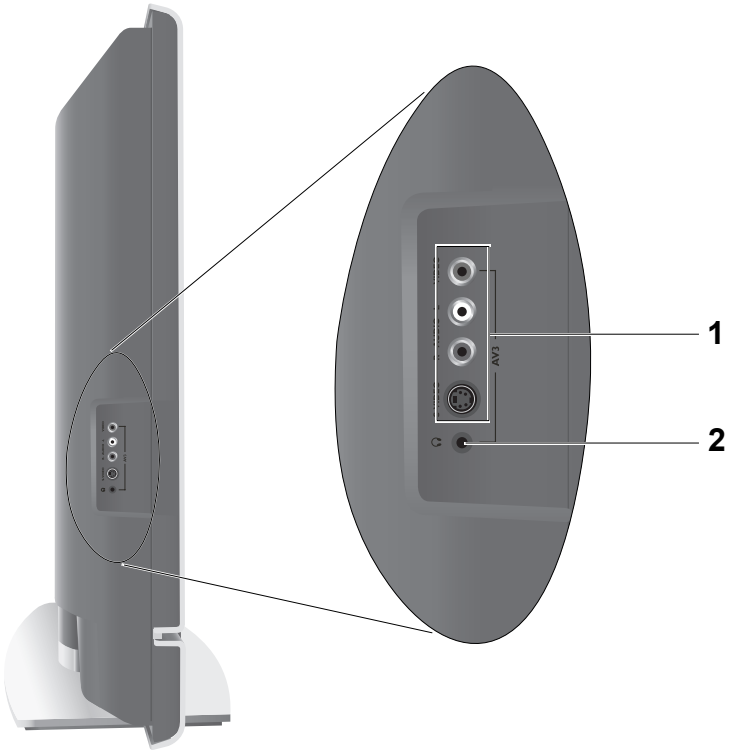
No.	Name	Description
1	Speakers	High-fidelity speakers for generating high-quality sounds.
2	Power indicator	• Lights up green when the TV is powered on. • Lights up red when the TV is in standby mode.
3	Ambient light sensor	If activated, this sensor detects ambient lighting condition and adjusts the brightness of the TV automatically. See **"Backlight" on page 38** for more information.
4	Remote control sensor window	Receives command signals from the remote control. Do not obstruct the sensor by placing any objects in front of it, which will hinder the reception of signals.

Control panel



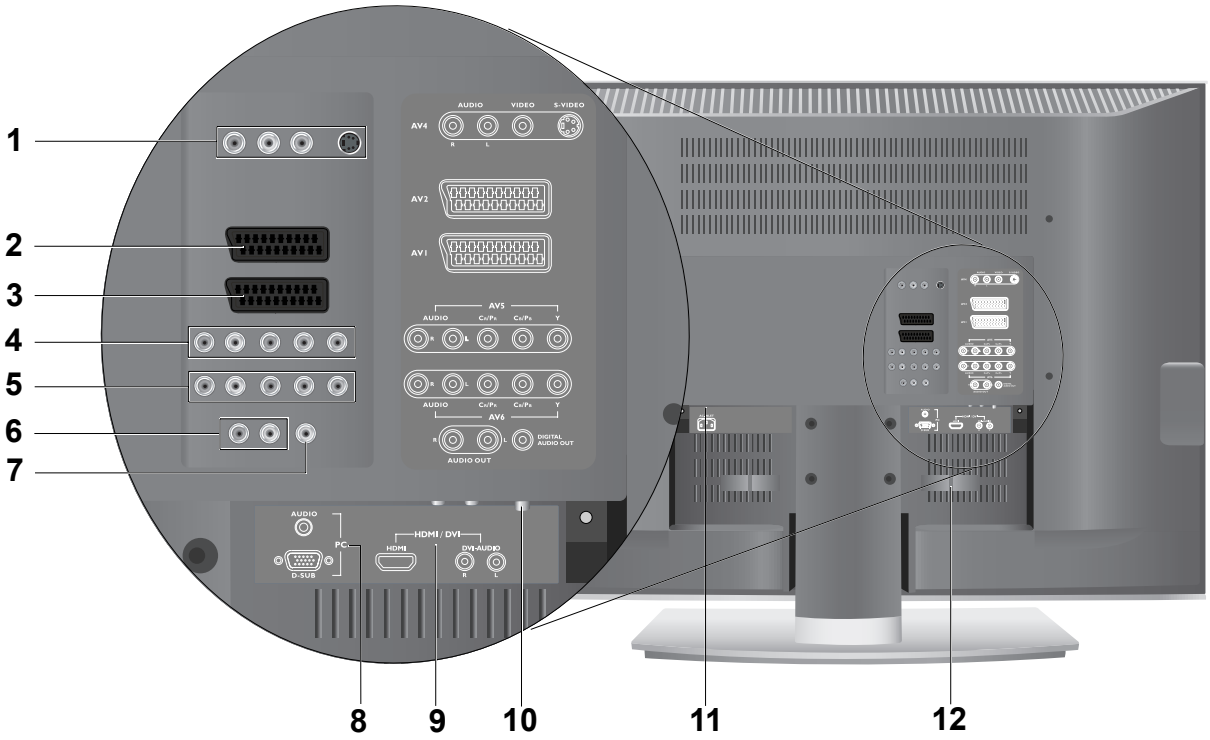
No.	Name	Description
1	MENU button	Displays the OSD menu if not visible, or exits the current menu if displayed. (Performs the same action as the **MENU** button on the remote control.)
2	(Volume) ◀ / ▶ buttons	• Adjusts the volume level of the speakers. (Performs the same action as the **Volume** +/- buttons on the remote control.) • In the OSD menu, moves the selection highlight left or right or changes settings. (Performs the same action as the ◀ / ▶ buttons on the remote control.)
3	(Program) ◀ / ▶ buttons	• Sequentially selects the previous or next tuned TV program. (Performs the same action as the **P (Program)** ▲/▼ buttons on the remote control.) • In the OSD menu, moves the selection highlight up or down. (Performs the same action as the ▲/▼ buttons on the remote control.)
4	INPUT button	• Cycles through possible input signal sources. (Performs the same action as the **Input** button on the remote control.) • In the OSD (On-Screen Display) menu, selects the highlighted menu item to enter a submenu. (Performs the same action as the **OK** button on the remote control.)
5	(Power/standby) button	Toggles the TV between standby mode and on. (Performs the same action as the **Power/standby** button on the remote control.)

External AV devices (temporary) terminal panel



No.	Name	Description
1	AV3 VIDEO AV3 S-VIDEO	Connect to either the Composite Video (AV) or S-Video output as appropriate for your AV source device. See "Connecting the Composite Video input" on page 24 and "Connecting the S-Video input" on page 24. ☞ **Connect your external AV device using either the Composite Video or S-Video inputs. If both are connected to an AV source at the same time, S-Video input takes preference over Composite Video input. S-Video will provide a better quality image.**
	AV3 AUDIO L/R	Connect to the audio output of either the Composite Video or S-Video output as appropriate for your AV source device. (These inputs are common for either Composite Video or S-Video audio.) See "Connecting the Composite Video input" on page 24 and "Connecting the S-Video input" on page 24.
2	Headset socket	This socket is an audio output for connecting an external headset. The TV speakers will be muted whenever the headset socket is being used.

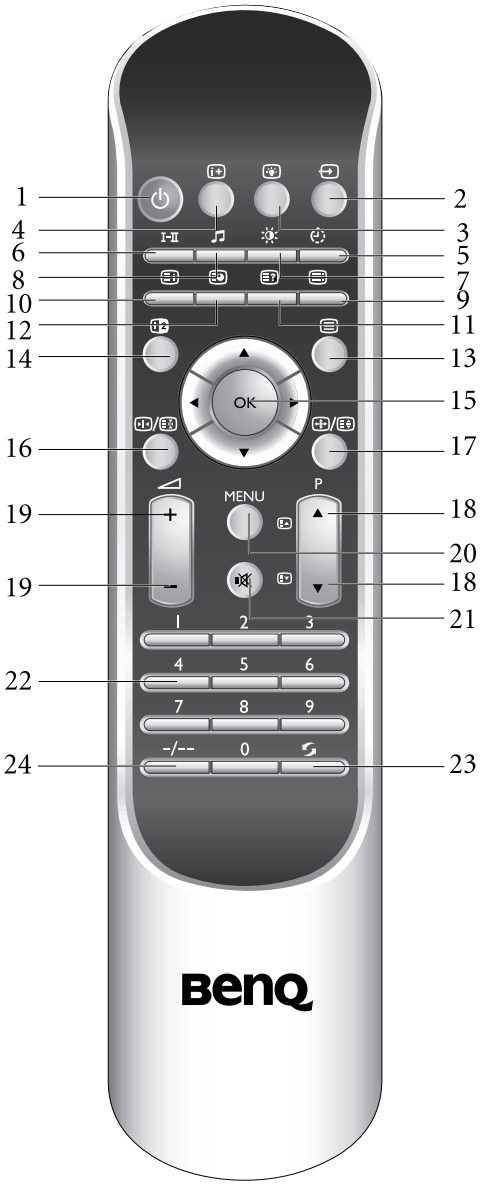
Rear view



No.	Name	Description
1	AV4 VIDEO AV4 S-VIDEO	Connect to either the Composite Video (AV) or S-Video output as appropriate for your AV source device. See **"Connecting the Composite Video input" on page 24** and **"Connecting the S-Video input" on page 24**. ☞ **Connect your external AV device using either the Composite Video or S-Video inputs. If both are connected to an AV source at the same time, S-Video input takes preference over Composite Video input. S-Video will provide a better quality image.**
	AV4 AUDIO L/R	Connect to the audio output of either the Composite Video or S-Video output as appropriate for your AV source device. (These inputs are common for either Composite Video or S-Video audio.) See **"Connecting the Composite Video input" on page 24** and **"Connecting the S-Video input" on page 24**.
2	AV2	Connect each to the SCART input/output of an appropriate device. See **"Connecting the SCART input" on page 23** and **"Connecting the SCART output" on page 23**.
3	AV1	
4	AV5 Y C_B/P_B C_R/P_R	Connect each to the component video (Y C_B/P_B C_R/P_R) output of an appropriate video source device. See **"Connecting the Component Video input" on page 25**.
	AV5 AUDIO L/R	Connect each to the component audio output of an appropriate video source device to match that of each component video input. See **"Connecting the Component Video input" on page 25**.
5	AV6 Y C_B/P_B C_R/P_R	Connect each to the component video (Y C_B/P_B C_R/P_R) output of an appropriate video source device. See **"Connecting the Component Video input" on page 25**.
	AV6 AUDIO L/R	Connect each to the component audio output of an appropriate video source device to match that of each component video input. See **"Connecting the Component Video input" on page 25**.

6	AUDIO OUT	Connect to the audio input of an audio or sub-woofer amplifier. This output is always available, however, its level is fixed and cannot be controlled by the Volume. See **"Connecting the stereo audio output" on page 27**.
7	DIGITAL AUDIO OUT	(Function not available on this model)
8	PC D-SUB	Connect to the VGA video (D-Sub) output of a PC. See **"Connecting the PC input" on page 25**.
	PC AUDIO	Connect to the audio output to match that of the VGA video output on a PC. See **"Connecting the PC input" on page 25**.
9	HDMI/DVI	Connect to the DVI digital video or HDMI digital audio/video output of your digital source device. See **"Connecting the DVI input" on page 26** and **"Connecting the HDMI input" on page 26**.
	DVI-AUDIO L/R	Connect to the DVI digital audio output of your digital source device. See **"Connecting the DVI input" on page 26**.
10	TV Antenna	Connect to your antenna TV/CATV cable system. See **"4. Connect the antenna cable" on page 4**.
11	AC-INLET	Connect to the AC power cable. See **"5. Connect the power cable" on page 4**.
12	Cable holder	Install the cable holder here. You can use it to help keeping all cables in place after connections are made.

Getting to know the remote control



1. Power/standby
Press this button to power the TV on or put it to standby mode. See "Power on and standby" on page 19.

2. Input
Press this button to select an input source. See "Switching inputs" on page 19.

3. Backlight
Press this button to select your desired screen backlight level. See "Adjusting backlight" on page 21.

4. Information
Press this button to display the screen image source information. See "Display information" on page 21.

5. Sleep/blue button
- Press this button to set the automatic shut-off timer. See "Using the sleep timer" on page 20.
- When Teletext displays on-screen, press this button to select the corresponding colour Teletext page. See "Using the Teletext function" on page 21.

6. I-II TV sound/red button
- Press this button to toggle among available sound reception modes. See "TV sound mode selection" on page 19.
- When Teletext displays on-screen, press this button to select the corresponding colour Teletext page. See "Using the Teletext function" on page 21.

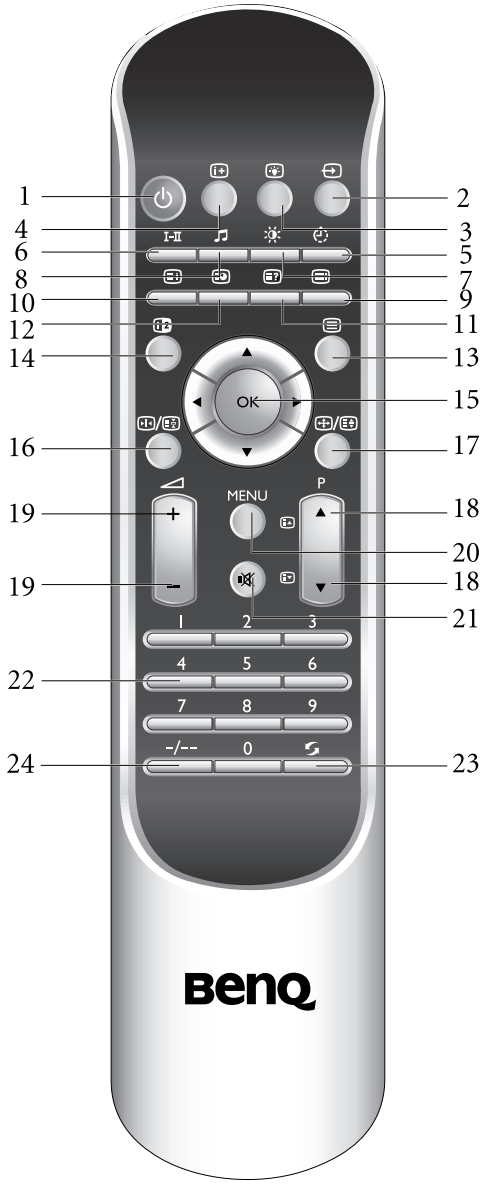
7. Preset/yellow button
- Press this button to select from among 4 preset picture modes. See "Selecting a picture mode" on page 20.
- When Teletext displays on-screen, press this button to select the corresponding colour Teletext page. See "Using the Teletext function" on page 21.

8. Audio/green button
- Press this button to select the AV source audio mode. (This is for all audio except TV sound modes.)
- When Teletext displays on-screen, press this button to select the corresponding colour Teletext page. See "Using the Teletext function" on page 21.

9. Mode
Press this button to cycle the Teletext display mode between Teletext only or with Teletext superimposed on the display. See "Using the Teletext function" on page 21.

10. Index
Press this button to go to the Teletext index page. See "Using the Teletext function" on page 21.

11. Reveal
Press this button to display any concealed Teletext information. See "Using the Teletext function" on page 21.



12. Subpage
Press this button to enter the subpage of a Teletext menu. See "Using the Teletext function" on page 21.

13. Teletext
Press this button to turn the Teletext decoder on or off. Page store won't start until the Teletext decoder is activated. See "Using the Teletext function" on page 21.

14. PIP
Press this button to simultaneously view signals from two different sources on-screen. See "Using the PIP (Picture-In-Picture) function" on page 21.

15. ▲/▼/▶/◀ and OK
When the OSD menu displays on-screen:
- Press ▲ or ▼ to select settings.
- Press ▶ or ◀ to adjust settings.
- Press OK to execute selections, or to enter a submenu you have selected.

See "Navigating the OSD menu" on page 29.

16. / Freeze/Teletext freeze
- Press this button to freeze the image on the screen. Press the button again to resume viewing in real time. See "Using the freeze function" on page 20.
- When Teletext displays on-screen, press this button to freeze Teletext messages. Press it again to restore normal update. See "Using the Teletext function" on page 21.

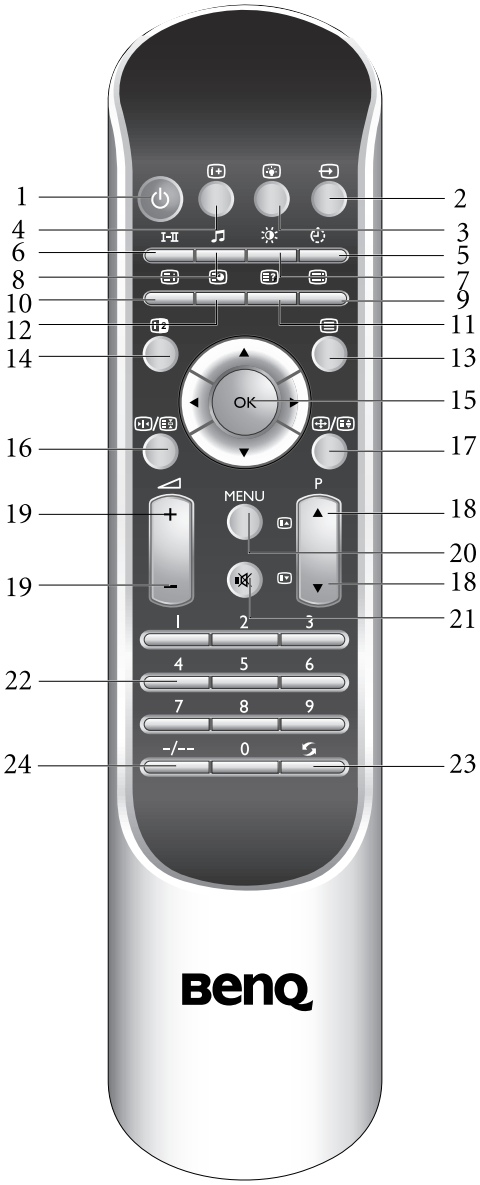
17. / Aspect/Teletext size
- Press this button to adjust the screen image aspect ratio. See "Adjusting aspect ratio" on page 22.
- When Teletext displays on-screen, press this button to enlarge Teletext size. Press it again to resume normal size. See "Using the Teletext function" on page 21.

18. ▲ / ▼ Program
- Press these buttons to sequentially change programs. See "Changing programs" on page 20.
- When Teletext displays on-screen, press these buttons to go to the previous or next page, or go to the subpage (if available). See "Using the Teletext function" on page 21.

19. +/- Volume
Press these buttons to raise or lower the volume level. See "Adjusting volume" on page 19.

20. MENU
Press this button to display the OSD menu for commands and settings. Press it again to close. See "Navigating the OSD menu" on page 29.

21. Mute
Press this button to mute the sound output. Press it again to restore the sound output. See "Mute setting" on page 19.



22. Program selection

Press these buttons to select the program you wish to view. See "Selecting a program directly" on page 20.

23. Recall

- When viewing TV programs, press this button to toggle between the current and the previous program you were viewing. See "Returning to the previous viewed program" on page 20.
- When viewing different input sources, press this button to toggle between the current and previous viewed input sources. See "Switching inputs" on page 19.

24. -/-- Program entry

Press this button prior to entering 2-digit program numbers. See "Selecting a program directly" on page 20.

Using the remote control

Power on and standby

Turning on the TV

After plugging the TV's power cable into a wall outlet, the TV will enter standby mode automatically. The power indicator will light up red.

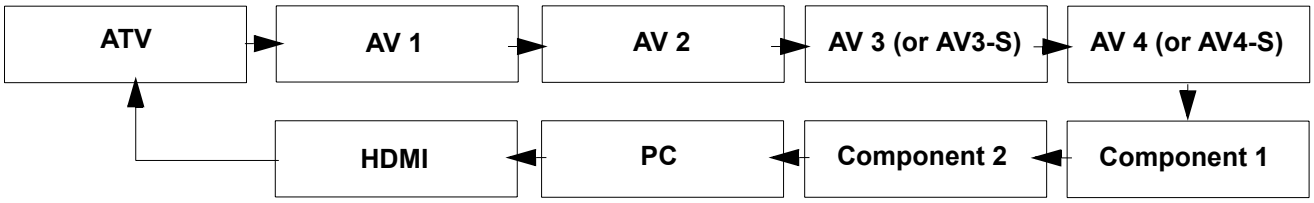
Press (Power/standby) on the TV, or **Power/standby** on the remote control. The TV will turn on and the power indicator will change to green.

Putting the TV to standby

Press (Power/standby) on the TV, or **Power/standby** on the remote control again, and the TV will return to standby mode. The power indicator will turn red.

Switching inputs

1. Turn on all connected equipment or devices before selecting an input.
2. Press **INPUT** on the TV, or **Input** on the remote control to display the current selected input. Press the button repeatedly until your desired input is displayed. The sequence is as follows:



If you have just switched from a different input source to the current one, you can press **Recall** on the remote control to toggle between the current and previous viewed input sources.

☞ **• AV3-S and AV4-S will appear only when the S-Video input signal is connected to these inputs.**
• DVI and HDMI inputs share the same input option "HDMI".

Adjusting volume

Adjusting volume

- Press (Volume) ▸ on the TV, or **Volume** + on the remote control to increase volume. The volume indicator will increase in length as volume rises.
- Press (Volume) ◂ on the TV, or **Volume** - on the remote control to decrease volume. The volume indicator will decrease in length as volume falls.

Mute setting

- Press **Mute** on the remote control to turn off the audio temporarily.
- Press **Mute** again, or press **Volume** + or **Volume** - to restore the sound level.

TV sound mode selection

Press **TV sound/red button** I-II on the remote control to select **Sound 1**, **Sound 2**, **Sound 3**, **Auto**, **NICAM**, **Stereo**, or **Mono** systems (the items available will depend on the TV and video sound system being received).

Changing programs

Selecting a program directly

- To select a single-digit program, press the corresponding program selection button on the remote control. For example, to select program 8, press the 8 program selection button on the remote control.
- To select a double-digit program, press the -/-- program entry button on the remote control, and then enter the program number using the program selection buttons. For example, to select program 28, press the program entry button, and then the 2, 8 program selection buttons on the remote control.

Changing programs sequentially

Press **P (Program)** ▲ or **P (Program)** ▼ on the remote control, or **(Program)** ◀ or **(Program)** ▶ on the TV to sequentially cycle through your TV programs.

Returning to the previous viewed program

To quickly return to the previous viewed program, press **Recall** on the remote control. This button can be used to toggle between the two most recently viewed programs without having to entering the precise program number.

Selecting a picture mode

To select a picture mode, press **Preset/yellow button** on the remote control. This enables you to select from the following settings:

Picture mode	Description
Dynamic	Suitable for viewing in brighter environments. The colour, contrast, and brightness of the image is increased to suit the brighter lighting condition.
Standard	Suitable for viewing in environments with normal lighting condition. This most closely represents the broadcast standard quality. No alteration to colour, contract or brightness has been made.
Cinema	Suitable for viewing movies in darker environments. The colour has been adjusted to more accurately represent natural skin tones.
Personal	Your own customised picture mode. See **"Setting up Personal picture mode" on page 32**.

Using the freeze function

Press **Freeze /Teletext freeze** / on the remote control to freeze the image on the screen. Press it again to restore normal viewing.

This freeze function does not control the input source which will continue normally, but not be displayed whilst the image remains frozen. When the image freeze is stopped, normal play will resume in real time. That is, the displayed image will jump to the current time and any interim video is not displayed.

Do not leave the screen displaying a static image for an extended period of time (days) because you may temporarily or permanently damage the screen resulting in image traces which could remain visible long after the original image has been removed.

Using the sleep timer

1. Press **Sleep/blue button** on the remote control to activate the sleep timer function.
2. Press the button again to set the time interval. Time is set in increments of 30 minutes, from 0 to 180 minutes.

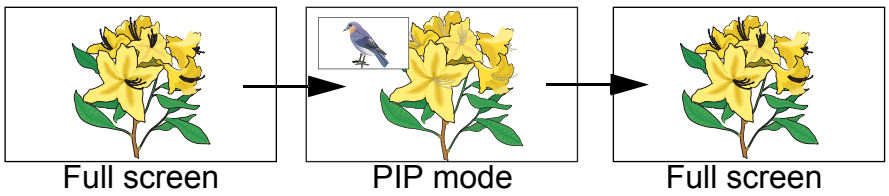
At the expiration of this time, the TV will go into standby mode automatically. This is useful if you want the TV to automatically enter standby mode after a set period of time.

Display information

Press **Information** on the remote control to display the input signal information. The information displayed varies according to the input source being selected.

Using the PIP (Picture-In-Picture) function

If the TV is connected to a TV/CATV, Video and Graphic source simultaneously, pressing **PIP** on the remote control allows you to display both images on the screen at the same time in PIP (Picture-In-Picture) mode.



• Video image sources: TV (ATV), Composite Video (AV1, AV2, AV3 or AV4), S-Video (AV3-S or AV4-S).
• Graphic image source: PC.

To display images in PIP mode:

1. Make sure that both Video and Graphic image sources are connected to the TV.
2. Press **INPUT** on the TV, or **Input** on the remote control to select **PC** as the input source.
3. Press **PIP** on the remote control to switch display to PIP mode.

In PIP mode, Teletext and OSD menu will not display. Some of the remote control functions will also become unavailable.

Adjusting backlight

To adjust the intensity of your TV's backlight system, press **Backlight** on the remote control to select between **Bright**, **Normal**, **Dark** or **Auto**.

When viewing the TV in dimly lit rooms it is recommended to set the backlight to **Dark** which will reduce the image brightness and make the dark areas of the image darker thus maintaining a high contrast image in a dark environment.

If **Auto** is selected, the ambient light sensor on the TV will be activated and the TV's backlight will be changed automatically according to the ambient lighting condition.

Using the Teletext function

Press the **Teletext** on the remote control to display Teletext. To return to normal viewing, press it again.

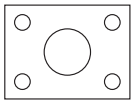
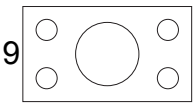
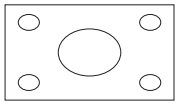
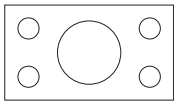
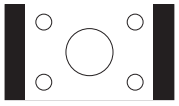
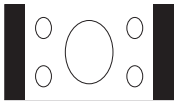
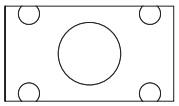
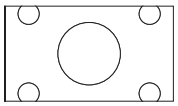
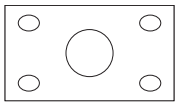
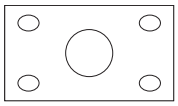
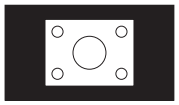
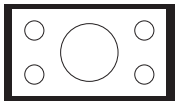
Teletext is only available when TV, Composite Video (via the AV and SCART inputs) or S-Video (via the S-Video inputs) is selected as the input source, and a signal which transmits Teletext is currently displayed. Not all TV stations and video signals broadcast Teletext. If in doubt, please contact the TV station or the video source provider.

When Teletext displays on-screen, you can:

- Press **Mode** to cycle between Teletext modes including Teletext only and mixed display.
- Press **Index** to go to the Teletext index page.
- Press **Reveal** to display any concealed Teletext information (if available).
- Press **Subpage** to enter the subpage of a Teletext menu (if available).
- Press **Aspect/Teletext size** / to enlarge Teletext size. Press it again to resume normal size.
- Press **Freeze /Teletext freeze** / to freeze Teletext messages. Press it again to restore normal update.
- Press **TV sound/red button** I-II , **Audio/green button** , **Preset/yellow button** or **Sleep / blue button** to jump to the corresponding coloured pages as displayed across the bottom of the Teletext screen.
- Press ▲ or ▼ to go to the previous or next Teletext page, or go to the subpage (if available).

Adjusting aspect ratio

According to the aspect ratio of the input image, press **Aspect/Teletext size** / on the remote control to select an appropriate aspect ratio for the TV to display it. Press the button to cycle through the display aspect ratios. The table below describes the resultant displayed images in relation to the input image when different aspect ratios are selected.

		Aspect ratio of the source (input) image	
		4:3 	16:9 
Aspect ratio of the resultant (displayed) image	16:9		
	4:3		
	Letter Box		
	Wide		
	Real		

Connecting audio and video inputs

Pay attention to the following when making connections:

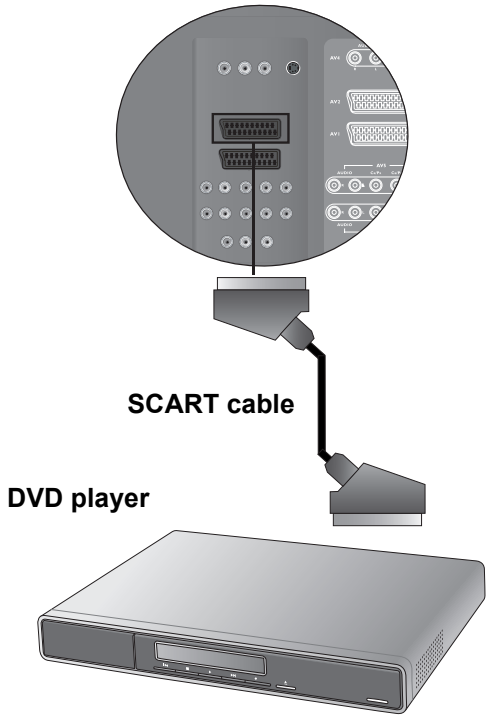
- For safety reasons, before connecting any external devices, please turn the devices off.
- Also, before deciding upon a particular connection method, please familiarise yourself with the location and type of each input. Be aware that if incorrect connections are made, picture or colour quality may be adversely affected.
- Once connected, please ensure that all plugs and connectors are firmly seated.

Connecting the SCART input

Connect the AV 1 or AV 2 terminal on the TV to the SCART terminal on your output equipment using a SCART cable (not provided).

To view video image from these inputs, press **Input** and select **AV 1** or **AV 2**.

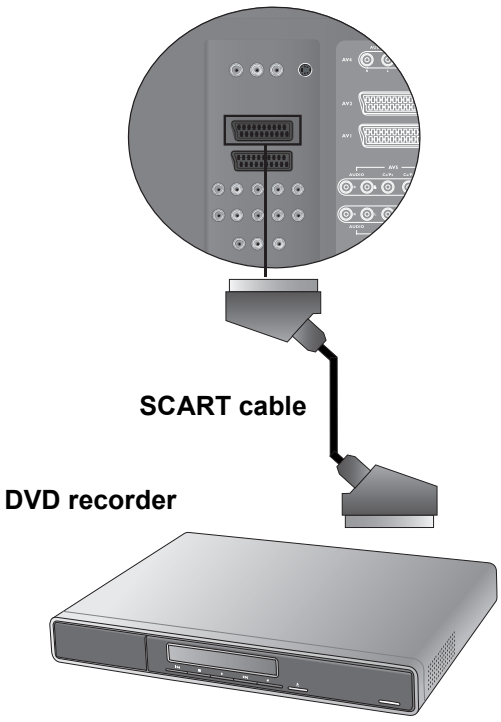
☞ **The SCART 1 and SCART 2 terminals support the input of the following types of signals:**
- **Composite Video**
- **RGB**
- **S-Video**



Connecting the SCART output

Connect the AV 1 or AV 2 terminal on the TV to the SCART terminal on your input equipment using a SCART cable (not provided).

☞ **If the TV antenna input is available, the AV 1 and AV 2 terminals on the TV support the output (relay) of TV signals to other devices.**



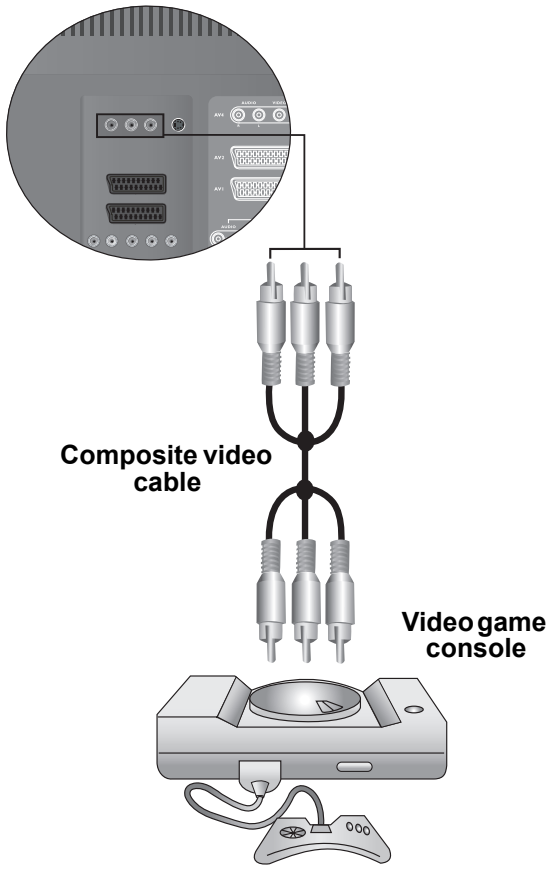
Connecting the Composite Video input

Connect the Composite Video output of your output equipment to the AV3 or AV4 VIDEO and AUDIO L/R terminals on the TV using the Composite Video cable as illustrated.

A Composite Video cable consists of three connectors: Yellow (video), White (left channel audio), and Red (right channel audio). Ensure that the colours of the plugs and terminals match when making connection.

To view video image from this input, press **Input** and select **AV3** or **AV4.**

Composite Video input is the most commonly used signal input, however, this type of input provides the least optimal image quality. Component Video provides better quality signals.
Many video sources can only output Composite Video signals, for example, most VCRs, analog Camcorders and game consoles.

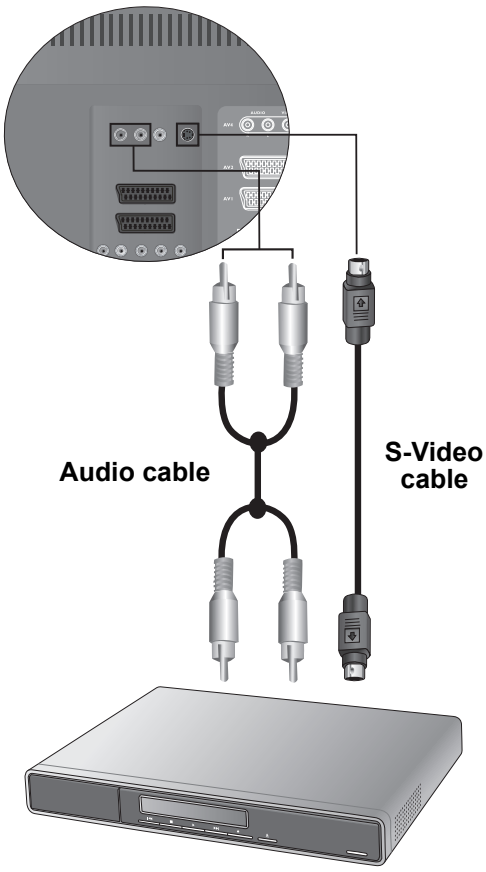


Connecting the S-Video input

1. Connect the S-Video output of your output equipment to the TV's AV3 or AV4 S-VIDEO terminal using an S-Video cable (not provided). Pay attention to the alignment of the plugs on the S-Video cable when inserting so as not to damage any pins.
2. Connect the S-Video audio output of the output equipment to the corresponding S-Video AUDIO L/R input terminals using a suitable audio cable (or use the Composite Video cable. The yellow plug is not used).

To view video image from these inputs, press **Input** and select **AV3-S** or **AV4-S.**

You need not connect both a Composite Video and an S-Video from the same device; just one or the other.
If you have the choice, use the S-Video instead of Composite Video as an S-video signal provides a higher quality image to that of Composite Video.

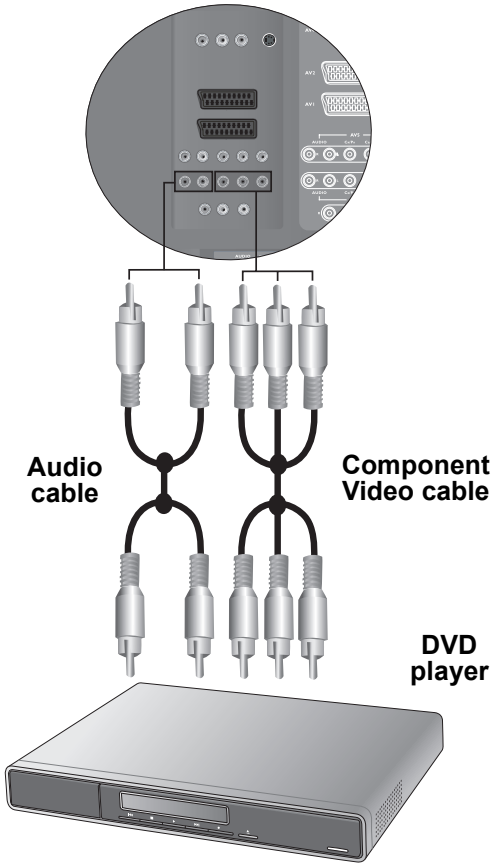


Connecting the Component Video input

1. Connect the Component Video output of your output equipment to the TV's AV5 or AV6 Y, C_B/P_B and C_R/P_R terminals using a Component Video cable (not provided). A Component Video cable consists of three plugs: Green (Y), Blue (C_B/P_B), and Red (C_R/P_R). Ensure that the colours of the plugs and terminals match when making connection.
2. Connect the Component Video audio output of your output equipment to the corresponding Component Video AUDIO L/R input terminals on the TV using an audio cable (not provided).

To view video image from these inputs, press **Input** and select **Component 1** or **Component 2**.

☞ **Of the analog video signal types, Component Video offers the best quality.**
See "Supported Component/HDMI input signal timing" on page 43 for timing options.

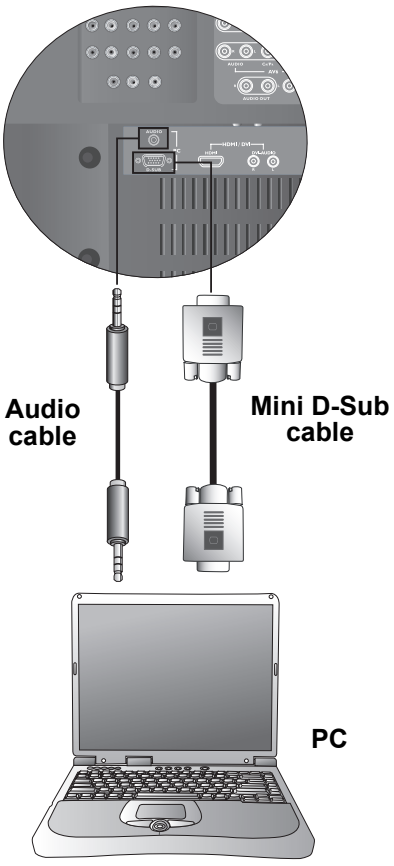


Connecting the PC input

1. Connect the VGA video output of your PC to the PC D-SUB terminal on the TV using a mini (15-pin) D-Sub cable (not provided).
2. Connect the audio output of your PC to the TV's PC AUDIO terminal using an appropriate Mini-jack stereo audio cable (not provided).

To view video image from this input, press **Input** and select **PC**.

☞ **When connected to a PC, select 1360 x 768 as the PC output video resolution.See "Setting up appropriate video output resolution on a PC" on page 43 for further information. See "Supported VGA/DVI input signal timing" on page 43 for timing options.**
If you require more information on how to connect your particular equipment type, please refer to the manual of the piece of equipment you wish to connect.



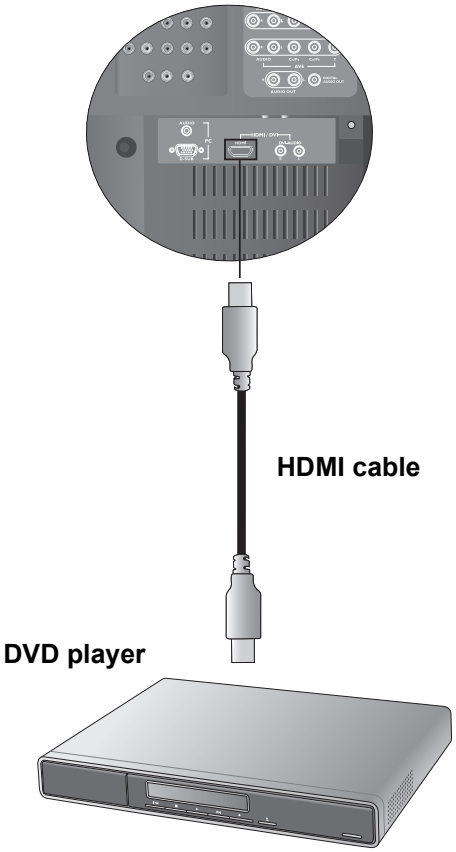
Connecting the HDMI input

Connect the HDMI output of your output equipment to the HDMI terminal on the TV using an HDMI cable (not provided).

To view video image from this input, press **Input** and select **HDMI**.

HDMI (High-Definition Multimedia Interface) is an uncompressed and all-digital audio/ video interface. HDMI provides an interface between any audio/video source, such as a set-top box, DVD player, or A/V receiver over a single cable.

See "Supported Component/HDMI input signal timing" on page 43 for timing options.



Connecting the DVI input

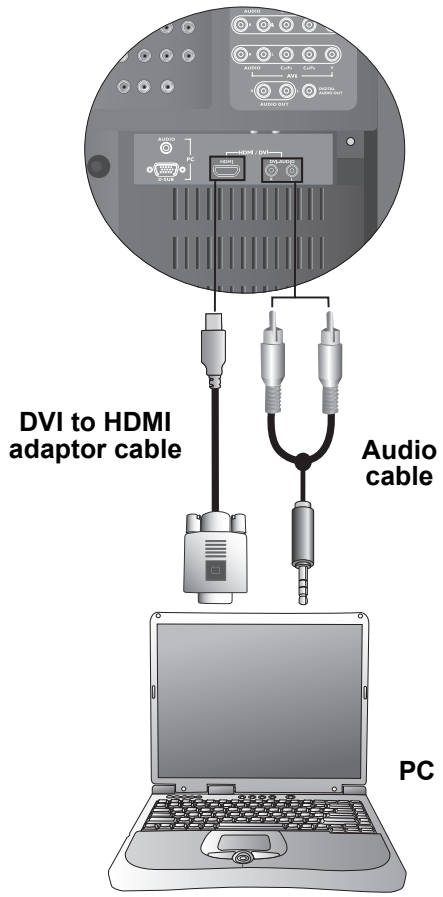
1. Connect the digital video output of your output equipment to the HDMI terminal on the TV using a DVI to HDMI adaptor cable (not provided).
2. Connect the DVI audio output of your output equipment to the TV's DVI- AUDIO L/R input terminals using an appropriate audio cable (not provided).

To view video image from this input, press **Input** and select **HDMI**.

The DVI input only supports signals higher than 480i and 576i. When connected to a High Definition Set Top Box, it is recommended that you set the output resolution to 1080i.

When connected to a PC, select 1360 x 768 as the PC output video resolution. See "Setting up appropriate video output resolution on a PC" on page 43 for further information.

See "Supported VGA/DVI input signal timing" on page 43 for timing options.



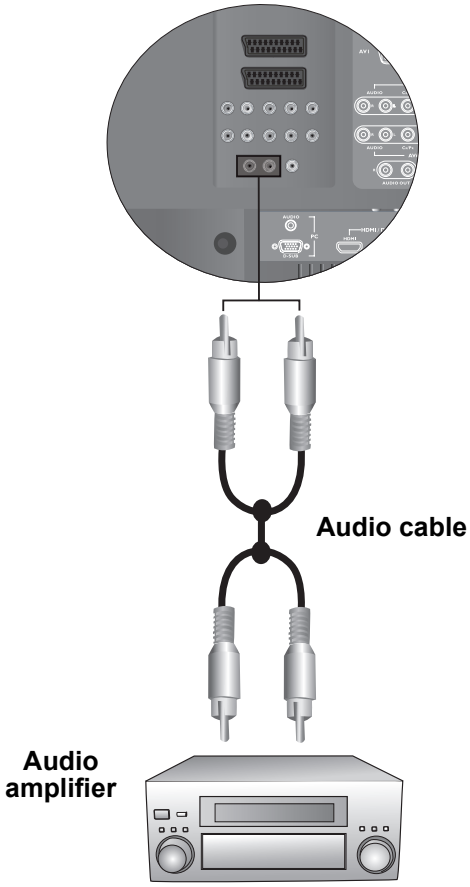
Connecting the stereo audio output

This TV provides a set of (RCA type) stereo audio output terminals for delivering the audio signal to a sound system or other audio devices.

If you use this output, you may wish to mute the built-in speakers. See "Speaker Out" on page 30.

Connect the audio input terminals of an amplifier or other audio device to the AUDIO OUT L/R terminals on the TV using a suitable audio cable.

This output is always available. Its level is fixed and cannot be adjusted by the Volume setting of the TV.



On-Screen Display (OSD) menu

OSD structure

	Input				
	ATV (TV/CATV)	AV1, AV2, AV3, AV4, AV3-S, AV4-S Component 1, Component 2	PC	DVI (via HDMI)	HDMI
Audio	• Volume • Balance • Sound Type • Steady Sound • Speaker Out • Advanced Audio Settings				
Picture	• Picture mode • Contrast • Brightness • Colour • Sharpness • Colour TEMP. • NTSC Tint • NTSC Setup		• Contrast • Brightness • Colour TEMP. • Auto • Frequency • Phase • H. Position • V. Position	• Contrast • Brightness • Colour TEMP.	
Feature	• Black Extension • ACE • Noise Reduction • Aspect Ratio • Auto Format		• Black Extension • Aspect Ratio		
Window	(Not available)		• PIP • Video Input • Graphics Input • PIP Audio	(Not available)	
TV	• Country • Standard • Auto Installation • Manual Installation • Program Edit • Child Lock	(Not available)			
Setup	• Language • Freeze • Backlight • Sleep Timer • DPMS • DVI Input • Reset All Settings				

☞ **• The available menu items are dependent on the input source being selected. Unavailable items will be greyed out or not displayed.**

• For details see:

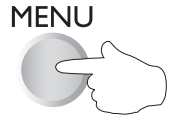
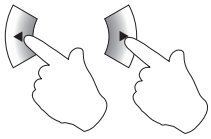
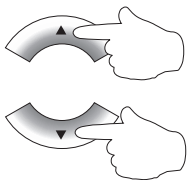
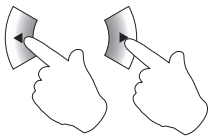
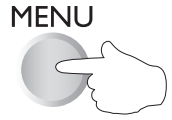
"Audio menu" on page 30
"Picture menu" on page 31
"Feature menu" on page 32
"Window menu" on page 33
"TV menu" on page 34
"Setup menu" on page 38

Navigating the OSD menu

You can use the On-Screen Display (OSD) menu to adjust the settings on your TV.

1. Press **MENU** on the remote control, or **MENU** on the TV to display the OSD menu on-screen.
2. Press ◀ or ▶ on the remote control, or (**Volume**) ◀ or (**Volume**) ▶ on the TV to select an item in the menu.
3. Press ▲ or ▼ on the remote control, or (**Program**) ◀ or (**Program**) ▶ on the TV to select an item in the submenu.
4. Press ◀ or ▶ on the remote control, or (**Volume**) ◀ or (**Volume**) ▶ on the TV to adjust settings. Press **OK** to enter the submenu if available.
5. Press **MENU** on the remote control, or **MENU** on the TV to return to the previous menu layer, or close the OSD menu.

For example, to adjust image sharpness using the OSD menu:

	1. Press **MENU** on the remote control, or **MENU** on the TV to display the OSD menu on-screen.
	2. Press ◀ or ▶ on the remote control, or (**Volume**) ◀ or (**Volume**) ▶ on the TV to select **Picture**.
	3. Press ▲ or ▼ on the remote control, or (**Program**) ◀ or (**Program**) ▶ on the TV to select **Sharpness**.
	4. Press ◀ or ▶ on the remote control, or (**Volume**) ◀ or (**Volume**) ▶ on the TV to adjust setting.
	5. Press **MENU** on the remote control, or **MENU** on the TV several times to close the OSD menu.

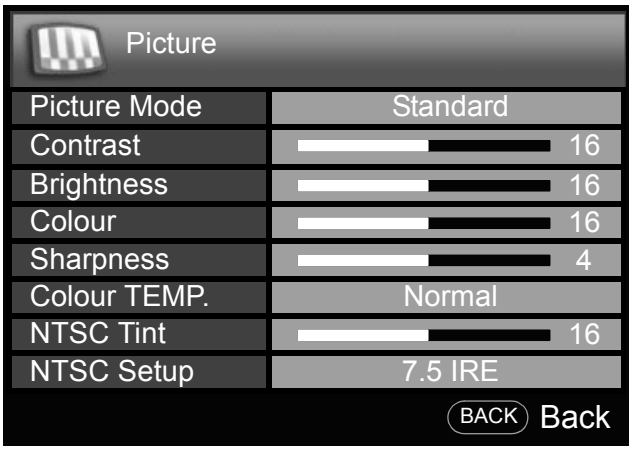
Audio menu

☞ **The available menu items are dependent on the input source being selected. The illustration is for reference only.**

Item	Function	Operation	Range
Volume	Adjust volume level.	Use ▸ to increase or ◂ to decrease volume.	0 to 47
Balance	Adjust left or right speaker volume level. ☞ **This option will become unavailable if Speaker Out is set to On.**	Use ▸ to increase right speaker volume, ◂ to increase left speaker volume level.	-12 to 12
Sound Type	Select TV and AV input audio type. ☞ **This option will become unavailable if Speaker Out is set to On.**	Press ▸ or ◂ to change selection.	• Auto • Mono • Stereo • Sound 1 • Sound 2 • Sound 3 • NICAM
Steady Sound	Automatically adjusts the sound level to be constant amongst different TV stations when viewing TV programs. ☞ **This option will become unavailable if Speaker Out is set to On.**		• Off • Auto
Speaker Out	Enables sound output to an external sound system when set to 'On'.		• On • Off
Advanced Audio Settings - Press **OK** to enter. ☞ **This option will become unavailable if Speaker Out is set to On**			
Preset Mode	To restore a factory preset or user customised sound mode.	Press ▸ or ◂ to change selection.	• Classic • POP • Jazz • Rock • Personal
Treble	Adjust treble tones when **Personal** is selected as the Preset Mode.	Press ▸ or ◂ to make adjustment.	-12 to 12
Mid Treble	Adjust mid-treble tones when **Personal** is selected as the Preset Mode.		
Middle	Adjust mid tones when **Personal** is selected as the Preset Mode.		
Mid Bass	Adjust mid-bass tones when **Personal** is selected as the Preset Mode.		
Bass	Adjust bass tones when **Personal** is selected as the Preset Mode.		

Picture menu

☞ **The available menu items are dependent on the input source being selected. The illustration is for reference only.**



Item	Function	Operation	Range
Picture Mode	To restore a factory preset or user customised picture mode. ☞ **You can also press Preset/ yellow button ☼ to jump to a picture mode directly.**	Press ▸ or ◂ to change selection.	• Dynamic • Standard • Cinema • Personal
Contrast	Adjusts image white level.	Press ▸ for brighter whites, ◂ for darker whites.	0 to 64
Brightness	Adjusts image black level.	Press ▸ for brighter blacks, ◂ for darker blacks.	
Colour	Adjusts image colour level.	Press ▸ for more intense colours, ◂ for less intense colours.	
Sharpness	Adjusts image sharpness level.	Press ▸ for sharper image, ◂ for softer image.	0 to 8
Colour TEMP.	Adjusts the colour tint of the black and white part of the image.	Press ▸ or ◂ to change selection.	• **Cool**: Biased toward blue - for PC input • **Normal**: Standard video/ TV colour temperature • **Warm**: Biased toward red
NTSC Tint	Adjusts colour tint ☞ **This option is only available for NTSC video sources.**	Press ▸ for redder tones, ◂ for greener tones	0 to 32
NTSC Setup	Sets up the NTSC video display format to match that of the input NTSC video input from other devices (such as a DVD player). ☞ **This option is only available for NTSC video sources.**	Press ▸ or ◂ to change selection.	• 0 IRE • 7.5 IRE
Auto	Automatically adjusts frequency, phase, H. position and V. position to place the image on the screen.	Press **OK** to begin the auto adjustment function.	

Frequency	Adjusts the display clock frequency.	Press ▸ or ◂ to make adjustment.	-15 to 15
Phase	Adjusts the display clock phase.		
H. Position	Adjusts the horizontal position of the image.		-30 to 30
V. Position	Adjusts the vertical position of the image.		

Setting up Personal picture mode

You can adjust the settings in the Picture menu and save them as your Personal picture mode. Once set, you can press **Preset/yellow button** ☼ on the remote control to quickly jump to this mode.

1. In the **Picture** menu, press ▲ or ▼ to select **Picture Mode**.
2. Press ◂ or ▸ to select **Personal**.
3. Adjust the settings of **Brightness**, **Contrast** and **Colour**..., etc. to your satisfaction.
4. Press **MENU** to save and exit.

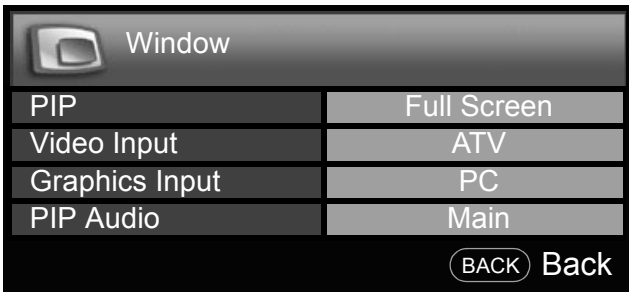
Feature menu

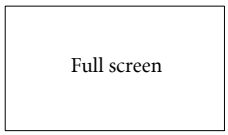
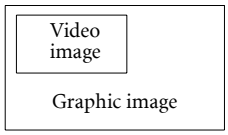
☞ **The available menu items are dependent on the input source being selected. The illustration is for reference only.**

Item	Function	Operation	Range
Black Extension	Enhances the contrast among details when viewing dark images. ☞ **This option will not be available if the ACE function is set to Low, Middle or High.**	Press ▸ or ◂ to change selection.	• Low • Middle • High • Off
ACE (Auto Contrast Enhancement)	Adjusts the auto contrast enhancement function that optimizes the image contrast ratio for interlaced inputs only.		• Low • Middle • High • Off
Noise Reduction	Adjusts the image noise reduction function that helps to remove noise in TV images. Suitable in fringe and poor TV reception areas.		• Low • Middle • High • Off
Aspect Ratio	Adjust image aspect ratio.		See **"Adjusting aspect ratio" on page 22** for more information.
Auto format	If set to **On**, the TV will automatically adjust screen aspect ratio when the SCART inputs are used, or when a WSS (Wide Screen Signaling) signal is detected from Composite Video or S-Video input signals.		• On • Off

Window menu

☞ **The available menu items are dependent on the input source being selected. The illustration is for reference only.**



Item	Function	Operation	Range
PIP	Display Video and Graphic images simultaneously in Picture-In-Picture (PIP) mode.	Press ▶ or ◀ to change selection.	• Full Screen  • Video on Graphic 
Video Input	Select the video signal input source for the PIP function. ☞ **This option is available only if the PIP function is activated.**		• ATV • AV1 • AV1-RGB • AV2 • AV3 (AV3-S) • AV4 (AV4-S) ☞ **The AV3-S and AV4-S options are available only if S-Video signals are connected to these inputs.**
Graphics Input	Select the graphics signal input source for the PIP function.		• PC
PIP Audio	Select which audio source you want to hear in the PIP mode. ☞ **This option is available only if Video On Graphic is selected as the PIP mode.**		• Main • Sub

TV menu

☞ **The available menu items are dependent on the input source being selected. The illustration is for reference only.**

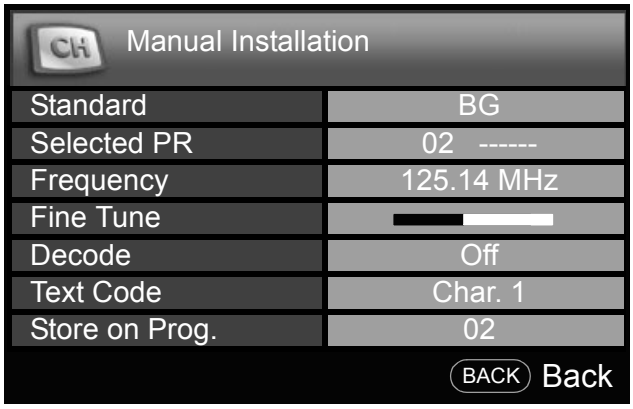
Item	Function	Operation	Range
Country	Select the country where you live. This assists the auto-tuning operation and allows programs to be stored on the corresponding program numbers.	Press ▶ or ◀ to change selection.	• UK • France • Netherlands • Germany • Italy • Spain • Austria • Belgium • Luxemburg • Switzerland • Portugal • Others
Standard	Select the TV standard for your country. Only available if **Others** is set as the **Country** menu item.		• BG • DK • I • L
Auto installation	See **"7. Setting up OSD (On-Screen Display) menu language and TV channels" on page 6.**		
Manual installation	See **"Performing manual installation"** below.		
Program Edit	See **"Editing programs" on page 35.**		
Child Lock	See **"Child Lock" on page 36.**		

Performing manual installation

The Manual Installation feature allows you to change the program locations that are stored in the TV program memory.

☞ **This option is not possible when the Child Lock is activated. See "Child Lock" on page 36.**

1. From the **TV** menu, press ▲ or ▼ to select **Manual Installation** and then press **OK**. The Manual Installation menu will display:



2. If the **Country** menu item is set to **Other**, you should press ◄ or ► to select a TV standard according to your region.
3. Press ▼ to highlight **Selected PR** and then press the program selection buttons on the remote control to input the TV program you want to set up.
4. Press ▼ to highlight **Frequency** and then press ◄ or ► to start the tuning system. If the tuned program is incorrect, press ◄ or ► again until your desired program is located. You can directly input the frequency using the numeric keys if you wish.
5. Press ▼ to highlight **Fine Tune** and then press ◄ or ► to adjust the reception of TV signal (only necessary where the image or sound reception is poor).
6. If the SCART signal input is connected, press ▼ to highlight **Decode** and then press ◄ or ► to select from the following options:

- **On**: Select this option if an external decoder Set-Top-Box (STB) is being used.
- **Off**: Select this option if no external decoder STB is being used.

7. Press ▼ to highlight **Text Code** and then press ◄ or ► to select a code format for the Teletext function.
8. Press ▼ to highlight **Store on Prog.** and then press **OK** to save this program to the TV program memory.
9. Press **MENU** to close the menu.

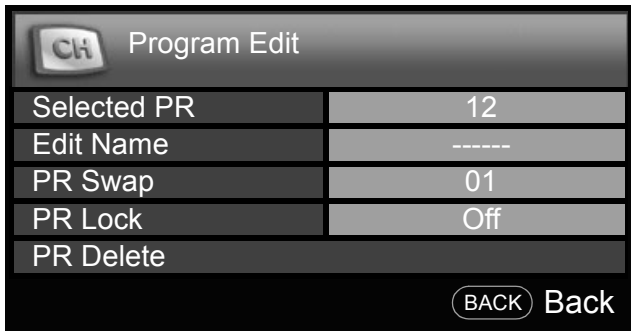
Editing programs

You can delete unwanted programs, add a program name and change the program position number.

☞ **This option is not possible when the Child Lock is activated. See "Child Lock" on page 36.**

Naming a program

1. In the **TV** menu, press ▲ or ▼ to select **Program Edit** and then press **OK**. The following Program Edit menu will appear.



2. Press ▼ to select **Selected PR**, and then press the program selection buttons on the remote control to select the program you wish to name.
3. Press ▼ to highlight **Edit Name**.
4. Press ◄ or ► to highlight the character you want to edit, and then press ▲ or ▼ to change it to your desired character.
5. Repeat step 4 to edit other characters.
6. Press **OK** to store the name.
7. Press **MENU** to close the menu.

Swapping programs

1. In the **TV** menu, press ▲ or ▼ to select **Program Edit** and then press **OK**.
2. Press ▼ to select **Selected PR**, and then press the program selection buttons on the remote control to select the program you wish to relocate to a different position.
3. Press ▼ to highlight **PR Swap**, and then press the program selection buttons on the remote control to select the new location for the program. Two digit entry is required. For example, press "02" to select program 2. The program memory location is changed once the new numbers are entered.

4. Press **MENU** to close the menu.

Locking (Preventing a program from Selection)/Unlocking a program

1. In the **TV** menu, press ▲ or ▼ to select **Program Edit** and then press **OK**.
2. Press ▼ to select **Selected PR**, and then press the program selection buttons on the remote control to select the program you wish to lock.
3. Press ▼ to highlight **PR Lock**, and then press ◀ or ▶ to select from the following options:

- **On**: Lock the selected program.
- **Off**: Unlock the selected program.

4. Press **MENU** to close the menus. All programs which are locked cannot be viewed when the Child Lock function is enabled. See "**Child Lock**" below.

Deleting a program

1. In the **TV** menu, press ▲ or ▼ to select **Program Edit** and then press **OK**.
2. Press ▼ to select **Selected PR**, and then press the program selection buttons on the remote control to select the program you wish to delete from the program memory.
3. Press ▼ to highlight **PR Delete** and then press **OK** to delete the program.
4. Press the **MENU** button to close the menus.

Child Lock

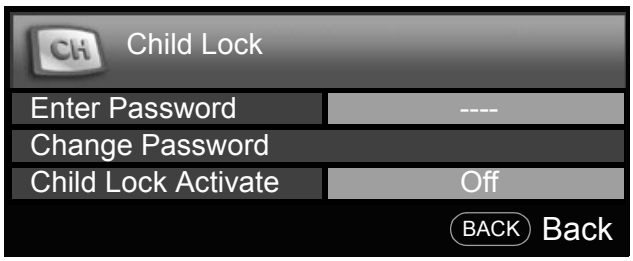
The Child Lock function can be used to prevent access to selected programs. For example, to prevent children from viewing inappropriate broadcast programs such as adult-only programs.

This **Child Lock** only affects the TV/CATV input (not AV inputs), and prohibits the selection or display of every program which has had its **PR Lock** menu item set to **On**. See "**Locking (Preventing a program from Selection)/Unlocking a program" on page 36**. The correct password is required to unlock and view those programs once **Child Lock** is enabled.

⚠ **WARNING: You will be inconvenienced if you activate the password functionality and subsequently forget the password. Write the password you use in this manual, and keep it in a safe place for later recall.**

Enabling/Disabling Child Lock

1. In the **TV** menu, press ▲ or ▼ to select **Child Lock**, and then press **OK**. The following Child Lock menu will appear.



2. You will be prompted to enter the password **(default password: 0000)**. Enter the password using the program selection buttons. When entering, you can press ◀ to clear a wrong character. If you enter the wrong password, try again.

☞ **IMPORTANT: Write your selected password down here in this manual so that it is available to you should you ever forget it**

Password: __ __ __ __.

Keep this manual in a safe place.

3. Press ▼ to select **Child Lock Activate** and then press ◀ or ▶ to select from the following options:

- **On**: Enables the Child Lock. Once enabled, the selected programs will be locked.
- **Off**: Disables the Child Lock.

4. Press **MENU** to close the menu.

Changing password

1. In the TV menu, press ▲ or ▼ to select Child Lock and then press OK.
2. Press ▼ to select Change Password and then press OK.
3. Enter a new 4-digit password using the program selection buttons.

☞ **IMPORTANT: Write your selected password down here in this manual so that it is available to you should you ever forget it**

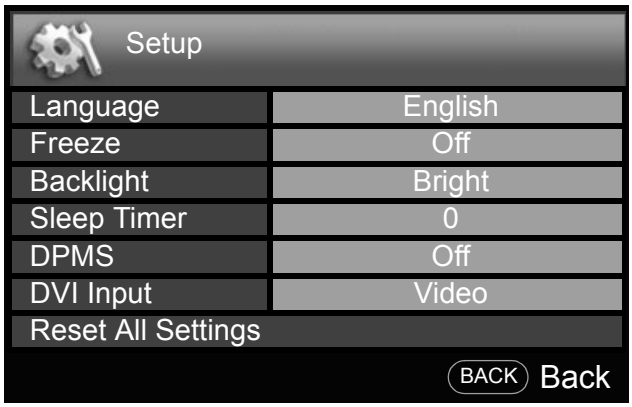
Password: __ __ __ __.

Keep this manual in a safe place.

4. Enter the new password again using the program selection buttons.
5. Press MENU to close the menu.

Setup menu

☞ **The available menu items are dependent on the input source being selected. The illustration is for reference only.**



Item	Function	Operation	Range
Language	Select your desired language for the OSD menu.	Press ▸ or ◂ to change selection.	• English • Français • Nederlands • Deutsch • Italiano • Español
Freeze	Freeze the motion on the screen image (however, broadcast continues). ⚠ **Do not leave the screen displaying a static image for an extended period of time (days) because you may temporarily or permanently damage the screen resulting in image traces which could remain visible long after the original image has been removed.**		• On • Off
Backlight	Adjust backlight intensity. If **Auto** is selected, the ambient light sensor will be activated and the TV's backlight will be changed automatically according to the ambient lighting condition.		• Dark • Normal • Bright • Auto
Sleep Timer	Set the Sleep timer to automatically turn off the TV.		0, 30, 60, 90, 120, 150, 180 minutes
DPMS	The Display Power Management System (DPMS) protects the screen and enters power saver mode when no PC signal is detected.		• On • Off
DVI Input	Select input signal type via DVI input if a PC or Video output device is connected to the TV. Remember to adjust the timing settings of the output device according to **"Supported Component/HDMI input signal timing"** or **"Supported VGA/DVI input signal timing" on page 43**.		• PC • Video
Reset All Settings	Restore all settings to their default values.	Press **INPUT** to activate the reset.	

Reference

Disclaimer

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Battery safety notice

The use of the wrong type of batteries may cause chemical leaks and/or explosion. Please note the following:

- Always ensure that the batteries are inserted with the positive and negative terminals in the correct direction as shown in the battery compartment.
- Different types of batteries have different characteristics. Do not mix different types.
- Do not mix old and new batteries. Mixing old and new batteries will shorten battery life and/or cause chemical leaks from the old batteries.
- When batteries fail to function, replace them immediately.
- Chemicals which leak from batteries may cause skin irritation. If any chemical matter seeps out of the batteries, wipe it up immediately using a dry cloth.
- Due to varying storage conditions, the battery life for the batteries included with your TV may be shortened. Replace them within 3 months or as soon as you can after initial use.

Important safety instructions

Electrical energy can perform many useful functions, but it can also cause personal injury and property damage if improperly handled. This TV has been engineered and manufactured with the highest priority on safety, however IMPROPER USE CAN RESULT IN POTENTIAL ELECTRICAL SHOCK OR FIRE HAZARD. In order to prevent potential danger, please observe the following instructions when installing, operating and cleaning the TV. Proper care will also prolong the service life of your TV. Just follow these simple instructions before using your display

1. Read instructions - All operating instructions must be read and understood before the TV is operated.
2. Retain instructions - These safety and operating instructions must be kept in a safe place for future reference.
3. Observe warnings - All warnings on the TV and in the instructions must be observed closely.
4. Follow instructions - All operating instructions must be followed.
5. Water and moisture - Do not use this TV near water - for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like. Do not use immediately after moving from a low temperature to a high temperature environment, as this causes condensation, which may result in fire, electric shock, or other hazards.
6. Cleaning - Unplug this TV from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Periodically clean the liquid crystal panel of the display to ensure a clear screen and prolong the service life of the panel. Use a clean, soft and cotton-free dry cloth to

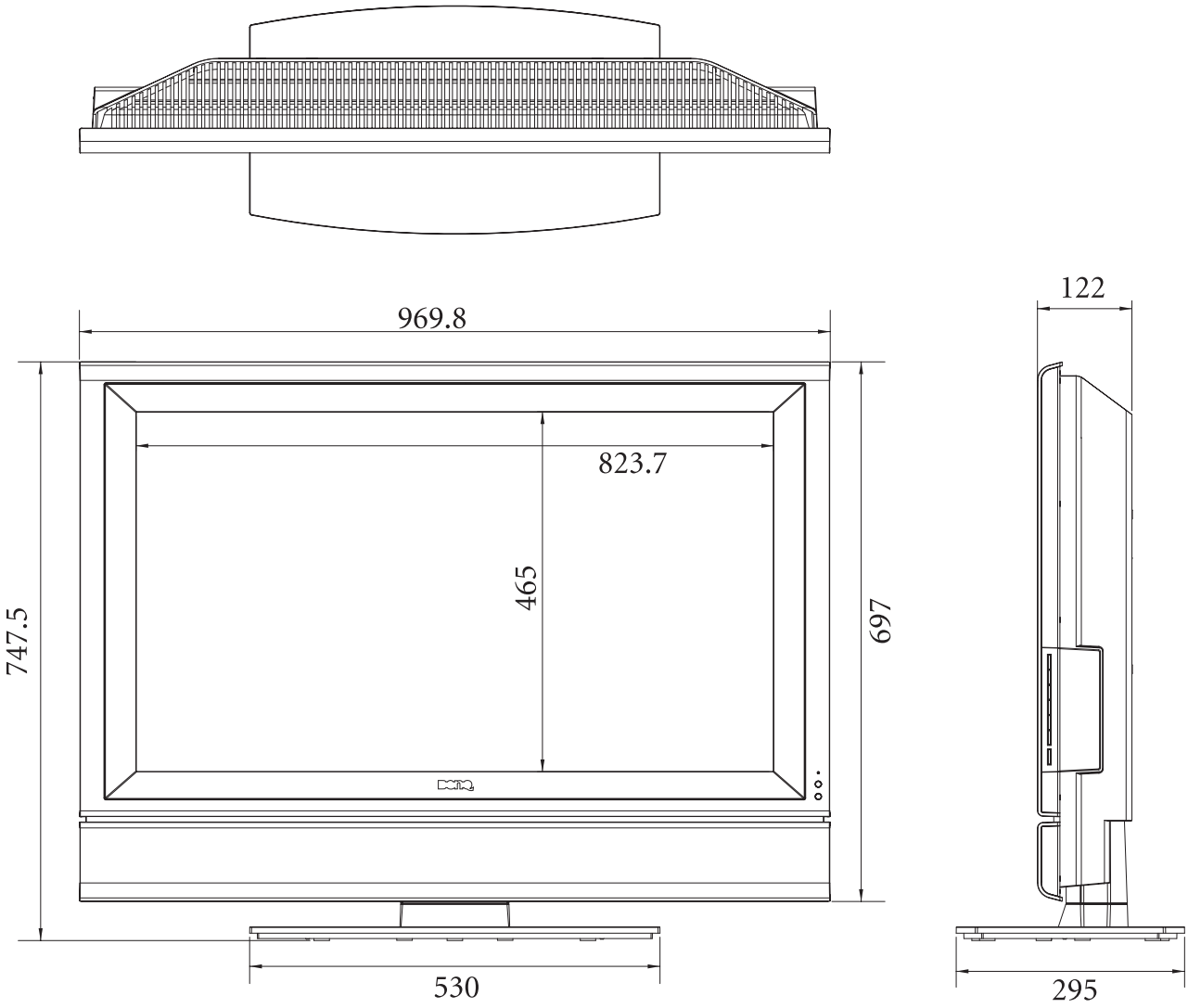
dip into the specific cleaner for the liquid crystal panel. Quickly wipe over the whole panel and use another cloth to clean the panel.

7. Ventilation - The vents and other openings in the cabinet are designed to let hot air escape from the TV. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the TV. Do not place the TV on a bed, sofa, rug or other similar surface, since they can block ventilation openings.
8. Heat sources - Keep the TV away from heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers).
9. Power cord protection - Power-supply cords should be routed so that they are not likely to be walked on or bitten by small animals. Pay particular attention to cords at doors, plugs, receptacles, and the point where they exit from the TV.
10. When the TV is used on a trolley, care should be taken to avoid quick stops, excessive force, and uneven surfaces that may cause the TV and trolley to overturn, damaging equipment or causing possible injury to the operator. Do not place this TV on an unstable trolley, stand, pedestal, bracket, or table. The TV may fall, causing serious injury to a child or adult and serious damage to the TV.
11. Servicing - Do not attempt to service the TV by yourself. Removing covers can expose you to high voltage and other dangerous conditions. Request a qualified service person to perform servicing.
12. Replacement parts - In case the TV needs replacement parts, make sure that the service person uses replacement parts specified by BenQ, or those with the same characteristics and performance as the original parts. Use of unauthorized parts can result in fire, electric shock and/or other danger.
13. Overloading - Do not overload wall outlets, extension cords, or convenience receptacles on other equipment as this can result in a risk of fire or electric shock.
14. Entering of objects and liquids - Never poke an object into the TV through vents or openings. High voltage flows in the TV, and inserting an object can cause electric shock and/or short circuit internal parts. For the same reason, do not spill water or liquid on the TV.
15. Damage requiring service - If any of the following conditions occurs, unplug the power cord from the AC outlet, and request a qualified service person to perform repairs.

- When the power cord or plug is damaged.
- When a liquid is spilled on the TV or when objects have fallen into the TV.
- When the TV has been exposed to rain or water.
- When the TV does not operate properly as described in the operating instructions.
- If the TV has been dropped or the cabinet has been damaged in any way.
- When the TV displays an abnormal condition or exhibits a distinct change in performance. Any noticeable abnormality in the TV indicates that the TV needs servicing.

16. Do not touch the controls other than those described in this manual. Improper adjustment of controls can cause damage, which often requires extensive adjustment work by a qualified technician.
17. Safety checks - Upon completion of service or repair work, request the service technician to perform safety checks to ensure that the TV is in proper operating condition.
18. Wall mounting - When mounting the TV on a wall, be sure to install the TV according to the method recommended by BenQ using only the specified mounting hardware.
19. Installation of an external antenna - If an outside antenna is connected to the TV, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges.
20. For added protection for this TV during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to the TV due to lightning and power-line surges.
21. An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can collide with such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits, as contact with them might be fatal.

Dimensional drawings



Unit: mm

Specifications

Model		V37C/VL3735
Weight (Net)		27Kg
Dimensions		969.8 (W) x 747.5 (H) x 295 (D) mm
LCD panel size		37 inches
Aspect ratio		16:9
Native resolution		1920 x 1080
LCD panel brightness		550 cd/m^2
LCD panel contrast ratio (typical)		1200:1
Viewing angle (left/right/up/down)		85º/85º/85º/85º
Response time		8 ms grey to grey
Amplifier		10W x 2, 80Hz ~ 20KHz
Signal inputs	TV	Analog Pan-Euro TV tuner
	Video	• Composite Video x 2 • Composite Video audio x 2 • SCART (Cenelec) x 2 • Component Video (Y C_B/P_B C_R/P_R) x 2 • Component Video audio x 2
	Graphic	• PC VGA x 1 • PC audio x 1 • HDMI x 1 • DVI (via HDMI) x 1 • DVI audio x 1
Signal outputs		• Stereo audio x 1 • 3.5mm Mini-jack headset audio x 1
Component Video timings		480i / 480p / 576i / 576p / 720p / 1080i /1080p
PC horizontal frequency		31 ~ 64 kHz
PC horizontal frequency tolerance		± 0.5 kHz
PC vertical frequency		59 ~ 76 Hz
PC vertical frequency tolerance		± 0.5 Hz
Power supply		AC 200-240V, 50-60 Hz
Power consumption		210W
Operating temperature		0°C ~ 35°C (at sea level)
Storage temperature		-20°C ~ 60°C (at sea level)
TV systems		PAL / SECAM
Video systems		PAL / SECAM / NTSC3.58 / NTSC4.43
Audio systems		NICAM / A2

☞ **Design and specifications are subject to change without notice.**

Supported VGA/DVI input signal timing

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Dot Clock Frequency (MHz)	Note
720 x 400	37.9	70	35.5	VESA
640 x 480	31.5	60	25.175	VGA
640 x 480	37.9	72	31.5	
640 x 480	37.5	75	31.5	
800 x 600	37.9	60	40	SVGA
800 x 600	48.1	72	50	
800 x 600	46.9	75	49.5	
1024 x 768	48.4	60	65	XGA
1024 x 768	56.5	70	75	
1024 x 768	60	75	78.75	
1280 x 960	60	60	108	VESA
1280 x 1024	64	60	108	SXGA
1360 x 768	47.7	60	85.5	VESA

Supported Component/HDMI input signal timing

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Dot Clock Frequency (MHz)	Note
720 x 480p	31.47	59.94	27	Progressive
720 x 576p	31.25	50	27	Progressive
1280 x 720p	44.955	59.94	74.176	Progressive
1280 x 720p	37.5	50	74.25	Progressive
1920 x 1080i	33.716	59.94	74.176	Interlaced
1920 x 1080i	33.75	60	74.25	Interlaced
1920 x 1080p	28.13	50	74.25	Progressive
1920 x 1080p	33.75	60	74.25	Progressive

• PC (VGA/DVI) and Video (Component/HDMI) timing modes outside of these tables are not recognised and will not be displayed.
• To gain the best quality image on the TV, you should select 1360 x 768 @60Hz as your PC VGA source resolution, and select the '4:3' aspect ratio on the TV when viewing VGA input.
• If the picture contains movement or character shimmering when the signal timing is changed, activate the Auto function in the Setup menu to recalibrate the image. See "Auto" on page 31.

Setting up appropriate video output resolution on a PC

In order for the TV to display PC VGA or DVI graphic input correctly, you need to set up a compatible output signal resolution on the PC before connecting it to the TV and pressing **Input** to select **PC** or **HDMI** as the input source.

For example, to perform setup in Windows XP system:

1. Right-click on Windows Desktop and select **Properties** from the menu that appears.
2. Click the **Settings** tab in the window that appears.
3. Drag the **Resolution** slider and select a compatible resolution according to the **"Supported VGA/DVI input signal timing"** table above.
4. Click **OK** to save the setting and close the window.

Troubleshooting

There are many external influences and circumstances beyond the control of BenQ which may be causing problems with your TV. Some of the more common and user fixable problems are listed below for your assistance.

Please check the following list before calling your nearest BenQ Customer Service Center, and attempt the following steps to diagnose and fix the problem yourself:

Symptoms	Possible Causes
Power does not turn ON.	• Check that the power plug is securely inserted into both the AC INLET socket on the TV and the wall outlet, and that the wall outlet is switched on. • Check that power is available from the wall outlet by trying another appliance or desk lamp from that same wall outlet.
There is no picture or sound.	• Ensure the TV power is ON (indicated by the green Power indicator on the front of the TV) • Try a different input source to check whether the source is at fault. • Check for mis-connection of cables or for wrong input source. • Make sure the antenna cable is properly connected. • Change programs to confirm if the symptom is still present.
There are spots on the screen.	Your TV antenna signal is being affected by interference from automobiles, trains, high-voltage transmission lines, neon signs or another sources of interference. Try redirecting or relocating your antenna to reduce the affects of the interference. If the antenna is exterior, have a suitable qualified and experienced antenna specialist adjust the antenna.
Degraded colours or hue.	• Check whether all the picture adjustments have been properly performed. • Press **Preset/yellow button** on the remote control to select a different picture mode.
Improper screen position or size.	Try selecting a different aspect ratio by pressing **Aspect/ teletext size** / on the remote control.
The image appears distorted.	Ensure the TV's aspect ratio is correctly set to suit the image source.
The image appears too bright, and there is a loss of definition in the brightest areas of the image.	• Reduce the contrast setting. • The DVD player output level is too high. Reduce the output level and try again. • The video signal has not been terminated properly somewhere in the external equipment. Check the connection and try again.
The image appears too 'washed out', or the darkest areas of the image appear too bright.	• Reduce the brightness level till the black areas of the picture appear as black. • The DVD player brightness level is too high. Reduce the brightness level and try again.
"Out of range" appears.	The PC VGA input signal resolution is set too high. 1360 x 768 @ 60Hz is the highest acceptable PC timing.

Remote control does not function properly.	• Check for incorrect battery orientation. • Check for dead batteries • Check your distance and angle from the TV. • Check whether remote control is properly being pointed at the TV's remote control sensor window. • Check for any obstacle between the remote control and the remote control sensor window. • Check that the remote control sensor window is not under strong fluorescent lighting. • Check for any devices (PC or personal digital assistant, PDA) nearby that transmit infrared signal which may cause interference to signal transmission between the remote control and the TV. Turn off the infrared function of these devices.
Picture is not clear.	• Make sure the antenna cable is properly connected. • Change programs to confirm if the symptom is still present. • If **PC** is selected as the input signal source, use the **Auto** function (See **"Auto" on page 31**) in the Picture menu to let the TV adjust picture automatically.
No sound.	• Check if you have muted the sound. • Make sure the volume is not set to minimum. • Check the cables for disconnection.
The picture is not sharp or the picture contains image movement.	• The reception may be weak. • Change programs to confirm if the symptom is still present. • Make sure the outside antenna is not disconnected. • Make sure the antenna is facing the right direction. If the antenna is exterior, have a suitable qualified and experienced antenna specialist adjust the antenna.
The picture is doubled or tripled.	• Make sure the antenna is facing the right direction. • Picture ghosting is caused by reflections from buildings, large metal structures and mountains. Carefully realign your antenna to minimise the ghost images. Ultimately a higher quality antenna professionally installed may be necessary to reduce the ghosting.
The picture is spotted.	• There may be interference from automobiles, trains, high voltage lines, neon lights, etc. • There may be interference between the antenna cable and power cable. Try positioning them further apart.
There are stripes on the screen or colours faded.	• Is the TV receiving interference from other devices? Transmission antennas of radio broadcasting stations and transmission antennas of amateur radios and cellular phones may also cause interference. • Use the TV as far away as possible from devices that may cause possible interference.
Half of the screen of my LCD TV is black	If part of the screen is permanently black, it means that some of the backlights that illuminate the LCD screen have failed and your TV needs service.

<Memo>